

# AMERICAN RAILROAD JOURNAL, AND ADVOCATE OF INTERNAL IMPROVEMENTS.

PUBLISHED WEEKLY, AT NO. 132 NASSAU STREET, NEW-YORK, AT FIVE DOLLARS PER ANNUM, PAYABLE IN ADVANCE.

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PROPRIETORS.]

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## AMERICAN RAILROAD JOURNAL.

NEW-YORK, DECEMBER 3, 1836.

The gentleman inserting the following advertisement has references to men of the highest standing. Desirous of procuring employment, and having but few acquaintances in the United States, he has taken this method of obtaining a situation.

We should feel happy in receiving any communication for him.

AN ENGINEER, regularly bred to the Profession in England, as well as to that of a Topographical Surveyor and Draughtsman, is desirous of obtaining employment in the United States. He has lately, for several years, been a salaried officer of one of the Principal Land Companies in the British Provinces, from the agents of which he can produce unexceptionable references.

On the subject of Railways he would feel particularly at home, having had much experience in their survey and formation while in England, and he confidently hopes that he would give satisfaction in all the other branches of the Profession.

Apply to the Office of this paper, 132 Nassau-st., or to Dr. Bartlett, at the office of the Albion, Cedar-street.

## TO PLOUGHMEN.

THE Subscriber has upwards of three hundred acres of meadow land, in the sod, near the city of New York, that he wishes to have PLOUGHED, as early in the course of the next year as practicable. He wishes to CONTRACT for the whole, or any part. It must be ploughed four inches deep, the furrow must be turned completely over, so that the whole will lie flat—to plough a great part of this land advantageously and speedily, a double team of light cattle is preferable to one pair of heavy oxen. Provisions for men and cattle can be procured on the premises. Apply by letter, directed to Anthony DEY, 63 Cedar-street, corner Nassau-street, New-York, by mail or otherwise, stating terms etc.

A. DEY.

It will be found that the line of the La Grange and Memphis road presents unusual facilities to contractors, the ground being high and healthy and the climate favorable for winter work.

## NOTICE TO CONTRACTORS.

### LA GRANGE AND MEMPHIS RAILROAD.

PROPOSALS will be received at the office of the La Grange and Memphis Railroad Company, in the town of La Grange until the 24th of December next, for the grubbing, clearing and construction of all the excavations and embankments of said road, being fifty-two miles in length, together with a lateral branch from Moscow to Somerville, of thirteen miles.

And also, to furnish and deliver along the line, all the requisite timber for the superstructure of the road, and the construction of the bridges—and also to lay down, and construct the same. The timber proposed may be cedar, or white oak, and post oak. The dimensions and quantity that will be required per mile, will be as follows:

MUD OR FOUNDATION SILLS.—To be not less than fifteen feet long, three inches by nine inches, if of sawed timber, or if in logs, to have one side hewn smooth and straight, eight inches wide, and four inches thick, clear of sap—10,560 feet lineal per mile.

CROSS TIES.—To be each eight feet long, hewn on one side with a smooth and straight surface, six inches wide, and to square six inches in their entire length, free of sap—1,760 pieces per mile.

STRING PIECES.—To be not less than fifteen feet each five inches by seven inches, clear of sap—10,560 feet lineal per mile.

General plans and specifications of all the work and special plans of the most important bridges, &c. will be exhibited at the above place, for ten days previous to the letting, and all other information will be given on application to the subscriber, or any of the assistant engineers on the line.

The usual certificates of character and ability will be expected in all cases from persons unknown.

CHARLES POTTS, Chief Engineer

La Grange and Memphis Railroad.

La Grange, Tenn. Nov. 10.

P. S. For the information of persons at a distance I would state, that the above road is located on a high and dry ridge, which is considered remarkably healthy, and that the mildness of the climate is peculiarly favorable for operations in the open air throughout the winter.

The editors of the Railroad Journal, New-York; the United States Gazette, Philadelphia; the Richmond Enquirer, Virginia; Raleigh Star, North-Carolina; Banner, Nashville; Enquirer and Gazette, Memphis, and the North Alabamian, will please to insert the above three times each, and forward their accounts as above for settlement.

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The attention of Contractors is called to the following notice. The district of country is one highly favorable as we believe to works of this nature.

Early application should be made as it will be perceived that the time expires on the 20th of December.

## TO CONTRACTORS.

ENGINEER DEPARTMENT, BALTIMORE AND SUSQUEHANNA R. R. COMPANY, Baltimore, Nov. 22d, 1836.—Proposals will be received at this office until the 20th December next, for laying the rails on 56 miles of road from Baltimore to York, and twelve miles of the Wrightsville and York Railroad.

The work to be commenced on the 1st of April next. Notice is thus early given to enable the Contractors to make the necessary arrangements.

For further information apply at this office during the week previous to the 20th December.

ISAAC TRIMBLE, Civil Engineer.

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An extra number of copies of the Railroad Journal is issued this week. It is intended to send a copy to each of the exhibitors at the American Institute. Should any be overlooked, they are desired to apply for copies at our office.

The object of this Journal being the extension of knowledge in relation to improvements in our country, its usefulness will be increased in proportion to its patronage.

Our readers will perceive that this number is in a new type, this and other arrangements in progress will enable us to improve the appearance of our columns—while every exertion is made to increase the value as a Journal for practical and scientific news.

With this number will be sent an extra, published in the month of July last, containing much matter in relation to Railroads and a fine wood engraving of a new locomotive, by H. R. Campbell, civil engineer.

## TO SUBSCRIBERS.

Those indebted to us for the past year, and years, are informed that circulars containing their account, will be forwarded to them. They are also requested to remit at the same time the subscription in advance for 1837.

Subscribers in general are reminded that on January 1st, 1837, their subscriptions for the year become due, they are desired to remit the proper amount as soon as possible.

Price of subscription, \$5 in advance.

Pambour on locomotives, will be ready for delivery to subscribers and others in a short time.

Orders left at this office will receive prompt attention.

## AMERICAN ALMANAC FOR 1837.

We have received this work, and have already found it of much use to us. The amount of valuable statistics, is greatly increased this year, by a very capital collection of information in regard to internal improvements, the best that we have seen in any work.

No Engineer should be without the book, if only for the sake of the professional information, independent of its general value.

Highly as the editor is esteemed as a practical astronomer, we must confess we had no idea of the amount of his labors until we read over the observations on latitudes in the early part of the work. Modestly as it is set forth, we think that these observations alone entitle him to encouragement in a national point of view.

We fancy that in this, is contained the gem of a greater than the Nautical Almanac.

## Extract of a letter from Oswego.

The Oswego and Utica Railroad Company was organized the 10th instant, by the Directors appointing, with a unanimous vote Christian J. Burkle, President; George H. McWhater, Treasurer, and Joseph E. Bloomfield, Secretary.

Mr. J. D. Allen was confirmed in his appointment as Chief Engineer, and is now pushing on his preliminary surveys, with three corps in the field, and as the weather is now remarkable fine, (truly the Indian summer,) the Company hope to complete their surveys before Christmas. They have nearly run one line from Rome to this place, and so far, there is every reason to expect, that a very direct line can be obtained, from this place to Utica, at no point to exceed 20 feet to the mile, and generally 5 to 15 feet—in fact, a better line for a Railroad cannot be obtained in any part of the United States, owing to the formation of the ground on this summit level.

## Fair of American Institute.

The exhibitions of the American Institute furnish a yearly test of the advance of American industry, as pleasing to the visitor as to the contributor.

During the past exhibition, we spent much time in examining the various articles, and in conversation with many of the exhibitors, among whom we found some of the most ingenious and celebrated mechanics of this or of any country, some of them having procured in Europe a reputation as distinguished as that earned in their native land.

Indeed, we never can witness a display of this kind, without feeling our natural pride strongly excited—we find the national products of our favored country inferior to none, our mineral riches greater, our agricultural results at least equal to those of the old world.

But when we regard the *mind* employed, the ingenuity displayed, particularly in the construction of the more intricate branches of manufactory machinery, we then indeed feel that we are a favored people.

The last, being the Ninth Annual Fair of the American Institute, has exceeded in variety every other exhibition of this Society.

The Fair continued open for nine days, during the whole of which, the spacious grounds of Niblo's Garden were crowded by thousands of visitors, who expressed unanimously their satisfaction.

The display of machinery was most extensive, and arrangements being made by means of a suitable steam engine, the whole apparatus was set in motion. A walk between and around these automatic wonders, gave us constant occupation in preserving our integrity, a step to one side and we should have been transformed into a shoe last by Mr. Blanchard, a turn the other way, and Mr. Cornell would have converted us into staves, without benefit of clergy.

The address delivered before the members and others, by the Hon. Caleb Cushing, was a production of singular merit, the audience one of the largest ever assembled on a similar occasion.

We are indebted to the Journal of the American Institute for the list of Premiums awarded by the Managers of the Fair. We shall insert our own remarks, and afterwards give a description, with cuts, of several of the most important machines.

## WOOLLEN GOODS.

The exhibition in this line was highly gratifying. We cannot conceive why prejudices against American broad cloths should exist in the minds of any who have seen these specimens. For our own part, we should feel proud to wear such in preference to any other—indeed it is more than suspected that

our fashionables often purchase splendid English cloths *made in this country*, for high prices.

The flannels, both plain and colored, were much admired, and by the ladies and other good judges, pronounced to be of superior quality.

The blankets, absolutely brought on a drowsy fit, so comfortable, so luxurious did they seem.

Northampton Manufacturing Company, Northampton, Mass., for the best specimen of broadcloths, manufactured from American wool, Bond, Whitwell & Co., agents, 64 Pine-street. *Gold Medal.*

Beecher Manufacturing Company, Waterbury, Conn., for the second best specimen of broadcloths, Steele, Wolcott & Co., agents, 62 Pine-street. *Silver Medal.*

Dudley Woollen Manufacturing Company, Dudley, Mass., for extensive specimens and variety of colored cloths and cassimeres, of daily manufacture, Wales & Plimpton, agents, 40 Pine-street. *Silver Med.*

Middlesex Manufacturing Company, Lowell, Mass., for a fine specimen of colored broadcloths, and plain and fancy cassimeres, Steele, Wolcott & Co., agents, 62 Pine-street. *Silver Medal.*

Middlesex Manufacturing Company, Lowell, Mass., for a fine specimen of goats' hair cloth, sample of 500 pieces, Steele, Wolcott & Co., agents, 62 Pine-street. *Silver Medal.*

Ballard Vale Company, (John Marland, agent,) for the best specimen of white flannels, Tucker, Dorr & Co., agents, 33 Pine-street. *Silver Medal.*

Buffalo Woollen Manufacturing Company, Buffalo, N. Y., for a superior specimen of blankets, S. Grosvenor & Co., agents, corner of William and Pine streets. *Silver Med.*

Salisbury Manufacturing Company, for very fine specimens of various colors plain and printed flannels, Burns, Hillburton & Co., agents, 24 Broad-street. *Silver Med.*

Wm. De Forest & Co., Naugatuc, Conn., for the best specimen of sattinets, Goodwin, Fisher & Spencer, agents, 46 Exchange Place. *Gold Med.*

Wolcottville Manufacturing Company, Conn., for an excellent specimen of buckskin and other sattinets, made of Mogadore wool, Wolcott & Goodwin, agents, 29 Pine-street. *Gold Med.*

## WOOL.

The samples of wool were of fine quality, to both of them Medals were awarded.

Charles B. Smith, Torrington, Conn., for the best specimen of wool, sample of 1200 fleeces, Wolcott & Goodwin, agents, 29 Pine-street. *Gold Med.*

Samuel Lawrence, Boston, Mass., for the second best specimens of wool, sample of a flock, Steele, Wolcott & Co., agents, 62 Pine-street. *Silver Med.*

## SILK AND COTTON GOODS, &amp;c.

How carefully this infant branch of domestic industry has been reared, the articles exhibited during this Fair can testify. No more pleasing sight has been presented to us for a long while. The specimens of Messrs. Du Bouchett & Durant were of great beauty.—

The article of *silk worm gut* prepared by the latter, though known to the disciples of Old Isaac Walton, is a new manufacture in this country.

Mr. Durant exhibited his divers articles neatly disposed, and presenting the various stages of the insect from the egg to the perfect moth, the cases also contained specimens of the gut, of raw and sewing silk of different degrees of fineness. It would be unfair to particularize, as all the articles in this department were deserving of commendation, both in the raw material and the various fabrics.

Charles Du Bouchett, New-Haven, Conn., for the best specimen of sewing silk. *Gold Medal.*

Charles F. Durant, Jersey City, N. Jersey, for the first silk worm gut known to the Institute as having been manufactured in the United States. *Gold Medal.*

Charles F. Durant, Jersey City, N. Jersey, for the best specimen of cocoons, and a fine specimen of sewing and raw silk. *Silver Medal.*

Peninah Mabbett, Saratoga County, N. Y., for the second best specimen of cocoons. *Diploma.*

Livingston, Livingston, N. Y., for a fine specimen of reeled silk (second crop). *Diploma.*

Valentine Silk Company, Providence, R. Island, for a fine specimen of silk and cotton goods, silk handkerchiefs, &c., Charles Dyer, agent. *Silver Medal.*

Northampton Silk Company, Northampton, Mass., for a superior specimen of reeled and raw silk, Charles St. John, agent, 118 Broadway. *Silver Medal.*

Mrs. Samuel Church, Bethlehem, Conn., for a fine specimen of reeled silk, S. P. Church, agent, 129 Water-street. *Silver Medal.*

Nantucket Silk Company, for fine specimens of silk and cotton cloth. *Diploma.*

Poughkeepsie Silk Manufacturing Company, B. Arnold, agent, for a beautiful specimen of silk vesting, silk for printing, and silk stock frames. *Silver Medal.*

Brown, Brothers & Co., agents, 63 Pine-street, for the second best specimen of silk and cotton goods. *Diploma.*

Doctor James Manerry, North Carolina, for a fine specimen of raw silk, Brown, Brothers & Co., agents, 63 Pine-street. *Diploma.*

Eliza Evans, Waterford, N. Y., for fine specimens of sewing twist, reeled and raw silk, and cocoons. *Diploma.*

Mrs. Seth Wakeman, Salisbury, Conn., for a fine specimen of cocoons. *Diploma.*

John W. Chambers, N. Y., for fine specimens of cocoons, raised at the Repository of the American Institute. *Diploma.*

John A. May, 554 Broadway, for the best specimen of silk umbrellas. *Silver Medal.*

American Print Works, Fall River, Mass., for the best specimen of cintz prints, Goodwin, Fisher & Spearer, agents, 43 Exchange Place. *Diploma.*

Railway Print Works, Railway, N. Jersey, for the second best specimen of cintz prints, B. F. Lee & Co., agents, 54 William-street. *Diploma.*

Benjamin Marshall, New-York Mills, Oneida county, for the best specimen of

ring-hams and satin jeans, Marshall, Carville & Taylor, agents, 26 Pine-street. *Silver Medal.*

Louisdale Manufacturing Company, R. Island, for a fine specimen of America Nankeen, N. Lord & Co., agents, 39 Broad-street. *Silver Medal.*

A specimen of American or Forsyth Nankeen, formed from the nankeen colored variety of cotton, no dye being used, and the color being original in the article, washing can have no effect. This is a comparatively new article of domestic produce.

Silas Shepard & Son, Taunton, Mass., for a superior specimen of Canton flannel, Holbrook, Nelson & Co., agents, 53 Pine-street. *Silver Medal.*

A fine sample of a popular and useful fabric.

#### HARDWARE AND CUTLERY.

The appearance of the hardware was fine, in the opinion of the judges, the good qualities were more than skin deep. The first five articles on the list obtained Silver Medals, each excelling in its kind. The articles presented by R. Hoe & Co., presented the greatest variety, the reputation of the firm has been established for a long time.

D. Simmons, Coopers, N. York, for the best specimen of axes, hammers, and hatchets, Pierson & Co., agents, corner of Front and Broad streets. *Silver Medal.*

Pierce & Wood, Middleborough, Mass., for the best specimen of scythes, Gay & Galloway, agents, corner of Old Slip and Water-streets. *Silver Medal.*

R. Hoe & Co., 29 and 31 Gold-street, for the greatest variety of fine specimens of saws, trowels, cutting knives, cotton gin, and veneering saws. *Silver Medal.*

Thomas W. J. Groves, Southington, Conn., for a fine specimen of hand and back saws. *Silver Medal.*

Blake Brothers, New-Haven, Conn., for a superior mortice lock and latches, Parker, Wilson & Co., agents, 8 Piatt-street. *Silver Medal.*

Poughkeepsie Screw Company, Poughkeepsie, N. Y., for the best specimen of wood screws, made by improved machinery, Witmer, Ames & Co., agents, 2 Liberty-street. *Gold Medal.*

The best of all the improved screws of improved times. We have in our possession specimens of the article in every stage, and have compared them with others. They are far superior in strength and neatness of finish—qualities that are wanting in screws prepared by other modes.

The machine is the invention of one of our best mechanics, and does credit to him.

Solomon Andrews, M. D., Perth Amboy, New-Jersey, and 175 Broadway, for a superior combination bank lock. A Silver Medal having been awarded at two former Fairs. *Diploma.*

Holmes & Co., Utica, N. Y., for a superior bank lock. *Diploma.*

Thomas R. Hicks, Wallingford, Conn., for a bell hanger and cutting pliers. *Diploma.*

Harvey & Knight, Poughkeepsie, N. Y., for a fine specimen of flange railroad spikes, Loerman & Johnson, agents, 119 Greenwich-street. *Silver Medal.*

In the mass of articles, some of smaller size were overlooked by us, and this was among the number. We should have taken great pleasure in examining a specimen sound worthy of the silver medal.

Israel Coe, Wolcottville, Conn., for a fine specimen of rolled copper and brass, and brass battery kettles. *Gold Medal.*

The specimens of rolled brass and copper were beautiful, while the texture of the article appeared to be of great uniformity; the judges, it appears, were as well pleased; they gave them the gold medal.

Rochus Heinisch, Newark, New-Jersey, for the greatest variety of superior cutlery, John Andrews, agent, 147 Fulton-street. *Gold Medal.*

The samples of American cutlery were beautifully finished; they are said also, to be as useful articles as most that we procure from abroad. To the Bowie knives the term *useful* should not be employed, unless bears and other such *varmint* are to be their victims. They certainly make a handsome article.

W. Wild, 162 Division street, for a superior specimen of penknives. *Silver Medal.*

The specimen of penknives by Mr. Wild, are entirely of his own manufacture, from the handle to the blade, and from close inspection we can answer for the superiority of both.

Eagle Factory, 87 Attorney-street, for a fine specimen of anvils, a superior article. *Silver Medal.*

John Smith, 217 Water-street, for an elegant specimen of jappanning. *Diploma.*

Pettibone & Long, 4 Liberty-street, for a fine specimen of scythes, (Harris, manufacturer.) *Diploma.*

Pettibone & Long, 4 Liberty-street, for a handsome specimen of hoes. *Diploma.*

James Bogert, 472 Pearl-street, for a mill saw sett. *Diploma.*

M. Merriman, Jr., New-Haven, Conn., for a window spring and sash fastener, Atwater & Pomeroy, agents, 115 Maiden-Lane.

Andrew Drysdale, Jr., corner of Liberty and Washington-streets, for a superior specimen of horse shoes on hoofs. *Silver Medal.*

There was a neatness in the arrangement of these articles that gave satisfaction, independent of that derived from the superior utility of the shoe itself. Neatly placed upon prepared hoofs they gave a clear insight into their modus operandi.

James Drysdale, 8 Fifth-street, for a good specimen of horse shoes. *Diploma.*

Julus Davis, 92 Chatham-street, for joiners' planes of superior workmanship. *Diploma.*

T. I. Newland, Utica, N. Y., for one brass teakettle. *Diploma.*

New-England Glass Company, Peter

Morton, agent, for a superior specimen of glass knobs. *Silver Medal.*

We were struck by the variety of ingenious patterns displayed in this article. The Medallion Knob is to us a new article, and in its different forms, cannot fail to become popular, or what is still better, fashionable.

#### BUGGY RAILINGS, COACH SPRINGS, &c.

In these articles we are again reminded of the perfection of modern mechanics. Strength and symmetry of form are combined, and we now can have a carriage of proper strength, without the former awkwardness of size and weight.

Joseph W. Lees, Newark, New-Jersey, for the best specimen of coach springs. *Silver Medal.*

Lewis Alling, Newark, New-Jersey, for the 2d best specimen of coach springs. *Diploma.*

James N. Joraleman, Newark, New-Jersey, for the best specimen of elliptic springs, coach steps and railroad springs. *Gold Medal.*

George Dunn, Newark, N. J., for the best specimen of buggy railings, and dash frames of excellent mechanism and workmanship. *Silver Medal.* And \$30 deposited with the Institute for the successful competitor.

Wm. H. Sanders, Hastings, N. Y., for a good specimen of coach axles. *Diploma.*

#### GRATES, KITCHEN RANGES, STOVES, &c.

Ward, Goadby & Co., 137 Grand-street, for the best specimen of German silver, reflecting grates, (Doct. William Anderson's patent.) *Silver Medal.*

A beautiful contrivance for reflecting the heat into the room, executed in a beautiful metal. This grate appears to be getting into favor, many of our new houses are being fitted up with them.

Edward Smylie, 73 Henry-street, for the 2d best specimen of grates. *Silver Medal.*

S. Pierce, for the best kitchen range, Lockwood & Andrews, manufacturers, 364 Broadway. *Gold Medal.*

"The proof of the pudding is the eating." This adage was verified by the proprietor, who kept his range in constant operation and puddings and pies, as well as more substantial fare, were turned out in great abundance.

This is certainly the best arranged cooking apparatus that we have seen; those who use it, speak well of it.

James Atwater, New-Haven, Conn., for the best specimen of stoves, Atwater and Pomeroy, agents, 115 Maiden-Lane. *Silver Medal.*

These stoves, likewise, kept in operation, were among the most beautiful in appearance, and possessing several capital qualities, obtained the silver medal.

Smith & Sherman, 207 Water street, for the 2d best specimen of stoves, (Olmstead's patent.) *Silver Medal.*

We consider that Prof. Olmstead has become a public benefactor in giving to the

community this form of stove. When men of science turn their attention to such matters, we may confidently expect some happy result.

We think the principal of this stove is the best for inhabited apartments, of any that we have ever seen; we have made trial of the article ourselves and speak from experience. The perfect management of the heat is a great feature in the stove, the circulation of the warm air, is another.

This, too, is the only stove fit for sleeping apartments, if we must have fire to sleep by.

For a detailed account of the principle of operation of the stove, as well as drawings, &c. We refer to the recent No. of the Railroad Journal, containing Prof. Olmstead's article on the subject.

Jordan L. Mott, 233 Water-street, for an excellent specimen of coal cooking stoves. *Diploma.*

Wm. Morrison, 54 Bowery, for a fine specimen of coal cooking stoves. *Diploma.*

M. N. Stanley & Co., 244 Water-street, for a fine specimen of rotary coal cooking stoves. *Diploma.*

J. S. Gold, 84 Nassau-street, for a fine specimen of Franklin office stoves and union oven. *Diploma.*

George J. Lorton, 200 Canal-street, (apprentice,) for a hall stove of good workmanship. *Diploma.*

#### HOLLOW WARE AND CASTINGS.

Bartlett Bent, Jersey city, New-Jersey, for the best specimen of hollow ware. *Silver Medal.*

Wm. Cumberland, 421 Munroe-street, for the best specimen of enamelled hollow ware. *Diploma.*

We are not aware that the manufacture of enamelled hollow ware is carried on elsewhere in this country.

The art is a curious one known but to few—though its applications are numerous and useful.

Richards & Damore, 143 Perry-street, for a cast iron sash and frame. *Diploma.*

#### SILVER PLATED WARE AND JEWELRY.

The plate and Jewelry furnished a tempting display.

The Silver ware of Messrs. Gardner & Marquand was the most brilliant collection in the room, their beautiful finish and rich design giving pleasure to all the ladies, the best judges of such matters.

The watch dials of Mr. Mullen were highly pleasing evidences of the perfection to which this gentleman has carried his art.

Baldwin Gardner, 39 Nassau-street, for the best specimen of silver work, a pair of superb pitchers. *Gold Medal.*

Marquand & Co., 181 Broadway, for the 2d best specimen of silver work, elegant pitchers, vase tea set, cake baskets, spoons and forks. *Silver Medal.*

G. M. Usher, 60 Reade-street, for the best specimen of jewelry. *Silver Medal.*

William J. Mullen, 175 Broadway, for the

best specimen of gold and silver watch dials. *Gold Medal.*

Henry Withers, 157 Broadway, for a most beautiful specimen of gold and silver pencil cases. *Silver Medal.*

PRINTING MATERIALS, BOOKS AND STATIONERY.

Next to the pleasure of reading a well written work, is that of sliding the eye over a clean and handsome page.

In blank books the same pleasure exists in writing on the right sort of paper, nicely bound, with good pens filled with rich ink.

All these and "more too" were furnished under this head.

The specimens of wooden type were well made.

The ink we had no chance to try, but presume that as Mr. Davids obtained a silver medal, his "fluid" was not found wanting in any of the important requisites of good ink.

Now that blue ink has become fashionable every wash, dye, decoction or stain that has the proper color is used for ink, neither penetrating the paper nor turning black, both of which are among the prominent properties of the real stuff. Mr. D. is, we believe, the real simon pure in this matter.

David Felt & Co., 245 Pearl-street, for the best specimen of blank books. *Silver Medal.*

Joseph Hegeman, cor. Wall and William-streets, for the 2d best specimen of blank books. *Diploma.*

Thaddeus Davids, 222 William-street, for the best specimens of sealing-wax, wafers, black and red ink, and writing fluid. *Silver Medal.*

Griffin, Wilcox & Co., 114 and 116 Nassau-street, for a fine specimen of writing fluid. *Diploma.*

D. Wells & Co., 61 John-street, for fine specimens of wood type. *Silver Medal.*

Linen & Horn, 80 Vesey-street, for a superior specimen of book binding, (Sunday Morning News.) *Silver Medal.*

Samuel Jenks Smith, cor. Beckman and Nassau-streets, for well executed newspaper printing, (Sunday Morning News.) *Silver Medal.*

Conner & Cooke, cor. Ann and Nassau-streets, for handsome specimens of book binding, from Turner's bindery. *Diploma.*

George Bruce & Co., 13 Chambers-street, for a book of specimens of type, ornaments borders, &c. *Diploma.*

William Blanc, cor. Duane and Rose streets, for fine specimens of colored and marble paper. *Diploma.*

James Maxwell, 259 Bowery, for the eagle printing press. *Diploma.*

J. Lemuel Kengslep, 212 Greenwich street, for the Jefferson printing press. *Diploma.*

#### CARPETING AND OIL CLOTHS.

Thompsonville Carpet Manufacturing Co., for the best specimen of carpeting and hearth rugs, Thompson & Co., agents, 13 Spruce street. *Gold Medal.*

D. Powers & Co., Lansingburg, N. York, for the best specimen of floor oil cloths.

Bro Hoyt & Co., agents, 105 Bowery.—|| Alfred Edwards, Newark, New-Jersey, for the best specimen of forged hames, and a good specimen of saddlery plated ware.

*Silver Medal.*

Norwalk Patent Carpet Co., Norwalk, Conn., for a fine specimen of felt carpeting, Jessup Swift & Co., agents, 66 Pine-street. *Silver Medal.*

While all the specimens of carpeting and oil cloth were of the first quality—we cannot forbear giving a more extended notice of the last and least known article *Felt Carpeting*. The stuff itself as the name implies is felt, strongly prepared.—The consequence is that no grain, or thread exists in the carpet, which is nothing but a homogenous mass of fibre twisted and wrought in every direction until its great strength and compactness is attained.

One of the greatest advantages of this carpet appears to us to exist in its power of resisting the entrance of dust and dirt—none of which can penetrate. It must also be much warmer than other carpeting, as it prevents any draught from a leaky floor passing through it.

The colors being printed upon it, can be varied at pleasure, and are as firm and lasting as the felt itself.

The pieces that we have seen have the appearance of Brussels carpet, with a very great superiority over that article—they cost about half as much.

#### LAMPS.

But few specimens of lamps were presented—such as were exhibited were of good quality. There is certainly no domestic comfort equal to that of a good astral lamp, and like certain other domestic blessings, when bad there is no greater curse. Mr. Wignell's lamps are as unlike bad wives as possible.

The specimen of coach lamps attracted great attention. They were finished in the most costly manner, appearing rather to belong to parlor, than stable appointments.

Samuel Wignell, 245 Grand-street, for the best specimen of astral and mantel lamps. *Silver Medal.*

J. L. Gourlay, Newark, New-Jersey, for a most beautiful specimen of coach lamps. *Silver Medal.*

Alonzo Platt, Middletown, Conn., for a union lamp. *Silver Medal.*

#### SADDLERY, MILITARY EQUIPMENTS AND TRUNKS.

The remark in regard to coach lamps will apply to the articles in this department.

The plated harness was really elegant, it does seem to us that no further progress can be made in this line, without putting upon horses what might better be expended upon human beings.

H. Carter, Newark, New-Jersey, for the best specimen of saddles. *Silver Medal.*

Darcy & Gray, Newark, New-Jersey, for the best specimen of harness and trunks. *Silver Medal.*

Stephen H. Gimber, 46 Hudson-street, for the best specimen of mezzotinto engraving. *Diploma.*

Frederick Woodcock, Brooklyn, for an excellent specimen of engraving, (blocks for calico prints.) *Diploma.*

George Endicott, 359 Broadway, for the best specimen of lithographic engraving. *Diploma.*

A. Hanford, 6 Little Green-street, for a specimen of xylographic engraving. *Diploma.*

W. D. Redfield, 123 Mott-street, for a fine specimen of engraving. *Diploma.*

#### PIANO FORTES AND MUSICAL INSTRUMENTS.

There is no branch of the fine arts more worthy of cultivation with us, than music.—It will soften our asperities of character, and render us more and more attached to social intercourse and enjoyment. In our opinion, this among all classes, is the strongest temperance measure that can be "got up."

Now good music can only be cultivated where good instruments can be procured at moderate prices.

In this view of the case, Messrs. Torp & Love doubly deserved their Gold Medal.—The tone of the various pianos was pleasing. While on this subject we have a suggestion to make to all of our manufacturers of musical instruments. Let them expend in addition one half as much on the interior—upon that part which gives the character as an instrument—as they *throw away* upon unnecessary ornament on the exterior—ornament causing positive injury to tone and durability.

The best pianos that we have ever seen, though made of the finest wood, finished in the most beautiful manner, were rigidly plain in every other respect.

A much better piano could be made for \$250 than many that sell for \$500, as handsome pieces of furniture.

This is a matter to be looked to by all purchasers, and we advise those who desire to patronize American industry in this branch of manufacture, to procure such instruments only as are specimens of excellence in the musical department, leaving rich and highly ornamented cabinet ware, if they must have it, to shine out in some other and more suitable shape.

The Flute seemed the admiration of all lovers of this popular instrument, the tone for excelling ordinary instruments—it very deservedly obtained the Gold Medal.

Torp & Love, 465 Broadway, for the best specimen of horizontal grand action piano fortés. *Gold Medal.*

John Abbott & Co., Bowery, for the 2d best specimen of horizontal grand action piano fortés. *Silver Medal.*

T. Kearsing & Son, 259 Broadway, for the 3d best specimen of horizontal piano fortés. *Diploma.*

Stodart, Davies & Brothers, Broadway, for a piano forte of fine tone and good action. *Diploma.*

G & H. Barnmore, 120 Barrow-street, for a piano forte of a very fine touch. *Diploma.*

C. H. Eisenbrant, Baltimore, Maryland, for an elegant specimen of clarionets, and a superb bright-toned flute. *Gold Medal.*

William Mitchell, (apprentice,) 72 Elbridge-street, for a neatly constructed octave flute. *Silver Medal.*

John Rosenbeck, Utica, New-York, for a trombone. *Diploma.*

Barnard & Prior, Saquoit, New-York, for one harmonist. *Diploma.*

#### INDIA RUBBER GOODS.

Eagle India Rubber Company, Boston, for the best specimen of India rubber drillings and aprons. *Silver Medal.*

Roxbury India Rubber Company, for an India Rubber camblet cloak, and 2d best specimens of drillings. *Silver Medal.*

New-York India Rubber Company, for the best specimen of India Rubber shoes and 2d best aprons. J. L. Warner, agent 41 John-street. *Silver Medal.*

Charles Goodyear, New-York, for a fine specimen of India Rubber cloth, not liable to decomposition from exposure to the sun, also maps. *Silver Medal.*

India Rubber has been applied to so many articles of domestic economy, that it is difficult to keep pace with the inventions or rather patents relative to this substance.

The preparation of Mr. Goodyear is novel, and founded upon principles totally different from those practised upon, in other applications of gum elastic.

It resists many of the agents, having an injurious effect upon crude caoutchouc.—Maps and various specimens of printing and engraving upon this substance were exhibited, giving promise of great durability.

From this article and others exhibited at the Fair, we are confident, that articles of dress can be made, combining the many advantages without any of the disagreeable effects of India Rubber. Its great lightness, will soon cause it to find a place in the wardrobe of our fashionables, who would as soon perish as wear any thing looking like comfortable clothing.

S. C. Smith, 66 Chatham-street, for a fine specimen of India Rubber booties. *Diploma.*

H. Percivell & Co., Belleville, N. Jersey, for a fine specimen of India Rubber bulls allings. *Diploma.*

#### GENTLEMEN'S BOOTS AND SHOES.

The articles in the Boot and Shoe line were extremely well made, but we must confess, that from them we obtained a very different notion of the shape, structure, and use of the human understanding, than we did from the study of anatomy. This, however, is the fault of the wearer, not of the maker, who has done every thing in his power, to render this modern instrument of torture, tolerable.

Lorin Brooks, 24 John-street, for the best specimen of cork sole boots, and single sole boots. *Silver Medal.*

Uriah Ryder, 5 Beekman-street, for the best specimen of pumps, and 2d best specimens of single sole and cork sole boots. *Silver Medal.*

Wilson & Oviatt, Utica, Oneida county, for the best specimen of boot trees and lasts. *Diploma.*

P. G. Nagle, Newark, New-Jersey, for a fine specimen of water-proof boot legs. *Diploma.*

Edward Townley, 148 Canal-street, for the best specimen of boots and shoes. *Diploma.*

#### LADIES' BOOTS AND SHOES.

Benjamin Shaw, 71 Canal-street, for the best specimen of ladies' boots. *Silver Medal.*

Wm. J. Watson, 67 Fulton-street, Brooklyn, for the 2d best specimen of ladies' boots. *Diploma.*

Wm. J. Watson, 67 Fulton-street, Brooklyn, for the best specimen of ladies' satin slippers. *Silver Medal.*

Benjamin Shaw, 71 Canal-street, for the 2d best specimen of ladies' satin slippers, and children's shoes. *Diploma.*

#### MANUFACTURED FURS.

The specimens of skins and caps were very creditable, combining the comfortable with the elegant.

Shepherd Brown, 421 Grand-street, for the best specimen of otter skins, and superior finished hair seal skins and caps. *Silver Medal.*

F. K. Bougton, 168 Water-street, for the best specimen of otter caps. *Silver Medal.*

F. K. Bougton, 168 Water-street, for the 2d best specimen of otter skins. *Diploma.*

Charles C. Plaisted, Brooklyn, N. York, for a fine specimen of otter caps. *Diploma.*

#### BEAVER AND SATIN HATS.

We plead ignorance in regard to satins, satin beavers, chip, straw, &c. Those who understand them, admired the display.

Isaac M. Henderson, 251 Division-street, for the best specimen of satin beaver hats. *Silver Medal.*

D. W. Clark McClosky, apprentice, 404 Broadway, for the second best specimen of satin beaver hats. *Diploma.*

Willington & Tombs, 329 Broadway, for the best specimen of ladies' and misses' satin and beaver hats. *Diploma.*

S. Tuttle, 208 Chatham-street, for the 2d best specimen of ladies' and misses' satin and beaver hats. *Diploma.*

Edward Mullens, 98 Bowery, for a fine specimen of military hats. *Diploma.*

William H. Wright, cor. West and Spring streets, for a fine specimen of satin hats. *Diploma.*

#### LADIES' HATS.

Mrs. Harrison, 43½ Division-street, for the best specimen of split straw bonnets. *Diploma.*

Mrs. Harrison, 43½ Division-street, for the 2d best specimen of Florence braid hats. *Diploma.*

George Dryden, 63 Canal-street, for the

best specimen of Florence Tuscan bonnets and Dunstable hats. *Diploma.*

Mrs. M. D. Holge, 353½ Grand-street, for a fine specimen of Florence braid hats. *Diploma.*

#### FINE ARTS.

Bass Otis, Philadelphia, for full length paintings of Gen. Wm. Henry Harrison, and mechanic and work shop. *Silver Medal.*

John Baker, 350 Houston-street, for a model in clay, (Death of Bushfield.) *Silver Medal.*

A very fair piece of modeling, this and other exhibitions of the same artist show a strong constructive talent, of the results of which we hope to see more.

Frederick Bashard, 219 Cherry-street, for a model of the origin of Corinthian capital. *Diploma.*

Wm. H. Miller, 16 Rivington-street, for specimens of miniature painting. *Diploma.*

Thomas Thomas, 136 Spring-street, for a most beautiful specimen of stained glass. *Gold Medal.*

We have heard much said of the loss of the ancient art of staining glass, we do not much regret it, for the modern art is certainly its rival. The windows and other pieces exhibited were most brilliantly colored, one pane we considered a perfect gem. Nothing can be more appropriate for hall and sky lights, than such glass—the art deserves encouragement, and we have those, able to give this stimulus.

Thomas W. Hope, 6th Avenue, for a painting in oil, (a moonlight scene.) *Diploma.*

F. J. Swinton, (aged 17 years,) Quarantine, Staten Island, for a specimen of painting in water color and ink drawing. *Diploma.*

George Heisher, 33 Grand-street, (self taught) for a beautiful oil painting. *Silver Medal.*

William Warren, 35 Warren-street, (17 years of age,) for a fine specimen of miniature painting. *Silver Medal.*

J. Bennett, 205 Broadway, for a view of the city of New-York. *Diploma.*

John F. Holgate, 10 Barclay-street, for a fine specimen of pencil drawings. *Silver Medal.*

W. & J. Gibson, Bowery, for a landscape painting in oil. *Diploma.*

Richard Sealy, 3 Sheriff-street, for a fine specimen of window curtains. *Diploma.*

John Hulme, Newark, New-Jersey, for a fine specimen of painting, (an engine back.) *Diploma.*

James H. Farrand, 219 Hudson-street, for a beautiful specimen of transparent window blinds. *Diploma.*

J. Johnson, 149 Spring-street, for a drawing of Hotel, St. Joseph, Florida. *Diploma.*

William Clover, 294 Broadway, for a miniature painting. *Diploma.*

Lewis P. Clover, 294 Broadway, for views of the great fire. *Diploma.*

Francis Carter, 176 Fourth-street, for a fine imitation of Chinese drawing. *Diploma.*

John Whitenead, 15 Chrystie-street, (self taught,) for one portrait. *Diploma.*

## FANCY ARTICLES.

Under this head there were many articles entirely out of our sphere. The quilts certainly made a very fine show and so did the embroidery, but—perhaps it is because from sad experience, we have an unusual dread of unnecessary exercise of those delicate organs—the eyes of those performing such feats of needle work, have called largely upon our sympathies. We notice, indeed, that one was executed by a blind person, whether this misfortune was prior to, or consequent upon, the practice of the art, we are not informed. In the former case, great advantage might be obtained from employing the blind in the exercise of this beautiful art, instead of increasing their number by improperly exercising the vision of others.

Nothing could delight us more than a diminution in the specimens of this branch of industry, and a diversion of skill to some less hazardous employment.

Mrs. George Roberts, Brooklyn, N. York, for a handsome quilt and aprons. *Diploma.*

Madame B. Con, 231 Grand-street, for the best specimen of worsted embroidery on cloth, (a piano cover.) *Silver Medal.*

Miss A. L. Con, 231 Grand-street, for a fine specimen of worsted work. *Diploma.*

Miss Caroline Barnes, Baltimore, Maryland, for a quilt containing 27,314 pieces. *Diploma.*

Miss R. A. Hunt, 123 Chatham-street, for a fine specimen of worsted work. *Diploma.*

Orphan Asylum, New-York, for fine specimens of needle work, ottomans and embroidery. *Diploma.*

Miss L. D. Eisenbrant, Baltimore, Maryland, for a beautiful flower basket. *Diploma.*

Mrs. G. Vultee, 114 Chatham-street, for the 2d best specimen of plain needle work, (skirts, bosoms, and collars.) *Diploma.*

Mrs. J. C. Smita, 44 Lumber-street, for beautiful imitations of flowers in wax, superior to any ever before exhibited. *Silver Medal.*

When we first saw these flowers, we supposed them to be real dahlias, so perfect was the imitation. We understand the group represented the prize flowers of the exhibition of dahlias, they certainly could not have fallen into better hands, their beautiful colors and delicate shades being accurately represented.

The following article was also very prettily executed.

Miss Dunlap, 44 Lumber-street, (a pupil to Mrs. J. C. Smita,) for the 2d best specimen of wax flowers. *Diploma.*

S. Butterfield, Oneida county, New-York, for a splendid woven counterpane. *Silver Medal.*

James Graham, Oneida county, for one cotton counterpane, woven by a person 78 years of age. *Diploma.*

Miss M. Hawkes, 140 Mott-street, for an imitation rose bush. *Diploma.*

Mrs. L. Gerring, 185 Fourth-street, for specimens of iron and lamp mats. *Diploma.*

Miss Blandina Smith, (Mechanics' school,) for a beautiful worsted landscape. *Diploma.*

James Mahoney, 451 Broadway, for the 2d best specimen of shirts and bosoms. *Diploma.*

Mrs Julia Jacobs, 457 Broadway, for a beautiful specimen of children's embroidered dresses. *Silver Medal.*

Miss K. Minns, New-Jersey, for a fine specimen of wax fruit. *Diploma.*

J. B. Thompson, 170 Broadway, for the best specimen of ready made linen. *Silver Medal.*

Louisa Agers, (blind) 68 Grand-street, for a curious quilted bed spread. *Diploma.*

Miss Inglis, for the best specimen of worked rugs. *Diploma.*

Miss Gedney, 51 Sixth Avenue, for the 2d best specimen of ladies' embroidered dresses. *Silver Medal.*

Charles Eyre, 603 Broadway, for a specimen of leather gloves cleaned. *Diploma.*

Mrs. Petit, Scipio, Cayuga county, for a beautiful pair of knit woolen stockings. *Diploma.*

Mrs. Bishop, 154 Cherry-street, for the best specimen of worsted work, (a basket.) *Diploma.*

Miss Thompson 14 Watts-street, for a handsome specimen of white flowers. *Diploma.*

Carl King, 265½ Broadway and 17 Division-street, for a fine specimen of millinery. *Diploma.*

Miss S. Phelps, New-York, for the best specimen of embroidery, (an infant's dress.) *Silver Medal.*

Mrs. M. E. Dyer, Providence, Rhode Island, for an elegant embroidered merino table cover. *Diploma.*

Mrs. Ross, 14 Thompson-street, for a superior specimen of bread and cakes. *Diploma.*

Mrs. Cooke, New-York, for the best specimen of silk embroidery. *Silver Medal.*

Miss Catharine Coles, (Mechanics' school) for a beautiful specimen of worsted embroidery. *Diploma.*

Mrs. Charles Dyer, jun., Providence, R. Island, for a gossamer cape, woven by the silkworm, a great curiosity presented to the American Institute.

Mrs. Julia Fitz, 26 Rivington-street, for beautiful worsted mat and flowers. *Diploma.*

H. Blanc, 574 Pearl-street, for a fine specimen of inlaid straw work. *Diploma.*

Edward Norris, 11 Pearl-street, for a beautiful shell miniature church. *Diploma.*

Mrs. Saults, Lispenard-street, for a fine specimen of animal work. *Diploma.*

Miss M. B. Van Tuyl, New-York, for beautiful colored atlases. *Diploma.*

Thomas J. Crown, 567 Broadway, for one case of fancy articles. *Diploma.*

Mrs. C. Nichols, 17½ Division-street, for a beautiful specimen of millinery. *Diploma.*

Mrs. C. Nichols, 17½ Division-street, for a superior silk hat. *Diploma.*

Martha Ann Woodward, 208 Church-

street, for a fine specimen of embroidery. *Diploma.*

Mrs. Mary A. Boughton, Brooklyn, N. York; for a beautiful feather cape made from the feathers of an owl. *Diploma.*

George Peuscher, 121 Fulton-street, for a beautiful specimen of fancy boxes. *Diploma.*

## READY MADE CLOTHING.

Mrs. M. Boniface, corner Broadway and Lispenard-street, for the best specimen of boy's clothing. *Diploma.*

Paul M. P. Durando, 60 Chatham-street, for the 2d best specimen of boy's clothing. *Diploma.*

Gilpin & Ferdinand, 200 Chatham-street, for a fine specimen of vests. *Diploma.*

## PENMANSHIP.

Charles Edwin Ely, 180 Broadway, for the best specimen of drawn penmanship. *Diploma.*

Stephen F. Baldwin, (aged 14 years,) 101 Sixth Avenue, for fine specimens of penmanship. *Diploma.*

James F. Crawford, 441 Bowery, for the 2d best specimen of drawn penmanship. *Diploma.*

Wm. Jones, 79 Franklin-street, for the best specimen off-hand penmanship. *Diploma.*

John J. Hinchman, 274 Bleeker-street, (aged 15 years,) for specimens of penmanship. *Diploma.*

James W. Davis, 168½ Spring-street, for specimens of penmanship. *Diploma.*

Joan Cromwell, 114 Wooster-street, for specimens of penmanship. *Diploma.*

## LEATHER.

H. Halsey, Windsor, Conn., for the best specimen of seal skins, Brown & Burke, agents, 7 Ferry-street. *Silver Medal.*

A well prepared article.

T. & J. Greene, 3 Jacob-street, for the best specimen of morocco leather. *Diploma.*

Allen Peacock, corner Pearl & Beekman streets, for the best specimen of belt leather. *Diploma.*

## TURNING.

John P. Collard, 9 Frankfort-street, for a fine specimen of fancy turning. *Diploma.*

Richard Burnton, 189 Hudson-street, for a fine specimen of fancy turning. *Diploma.*

Aaron E. Cogswell, New-York, for a good specimen of plain turning, (tool handles.) *Diploma.*

## STOCKS.

Mrs. P. Van Dyke, for the best specimen of stocks. *Diploma.*

W. H. Rodgers, Boston, Mass., for the 2d best specimen of stocks. *Diploma.*

James Buckridge, 175 Nipeteeth-street, for the best specimen of bristle stock frames. *Diploma.*

New-York Stock Frame Manufacturing Company, a large and excellent specimen of stock frames made on Goodell & Harvey's power loom. *Silver Medal.*

A great improvement in manufacturing useful article. We find the enterprise and ingenuity of these gentlemen, exercised upon many of the most common articles in

present use, a field of labor inviting many.  
MACHINES AND MODELS.

Hiram Phelps, Williston, Vermont, for the best mortising and tenoning machine. *Silver Medal.*

Among the very many mortising and tenoning machines, not before exhibited, the judges gave this the medal. The operation is very beautiful, and in an establishment using steam or water power, we have no doubt that it would prove a useful machine.

John McClintoc, 7½ Bowery, for the 2d best specimen of mortising and tenoning machine. *Diploma.*

Andrew Morse, jun., Boston, Mass., for the model of a ship's capstan. *Diploma.*

H. C. Roberts, Seneca Falls, New-York, for the best churning machine. *Silver Medal.*

J. J. Halsey, New-York, for the 2d best churning machine. *Diploma.*

Samuel S. Allen, for a good specimen of ordinary lever horse power. *Silver Medal.*

Sewell Gleason, Franklin county, for a revolving plane or horse arch power. *Silver Medal.*

A very good method of applying the weight and strength of a horse, for intermitting labor.

Exchange Engine Co., No. 3, Newark, New-Jersey, for the best fire engine. *Gold Medal.*

These engines were most splendidly finished, we hope for the good people of Newark, as well as of New-York, that they may be more looked at than used—in our own case, we fear, we hope without much prospect of success.

Fire Engine Co. No. 15, New-York, for the 2d best fire engine. *Silver Medal.*

E. S. Scripture, Paris, Oneida county, New-York, for a superior notarial press.—*Gold Medal.*

A press possessing decided advantages for the particular use for which it is intended.

A. B. Smith, 7½ Bowery, for a church steeple clock, a good article. *Silver Medal.*

M. N. Stanley, & Co. 244 Water-street, for an excellent hoisting machine, on a new principle. *Silver Medal.*

J. & C. Bruce, Jersey city, for the best cracker and biscuit machine, a gold medal awarded last fair. *Diploma.*

Thomas Blanchard, New-York, for a self directing turning lathe. *Gold Medal.*

One of the most elegant inventions of modern times. The turning of gunstocks and shoe lasts, was a thing unheard of, and much laughed at when proposed.

We have witnessed the application of the same lathe to the turning of ship blocks—the machine for which purpose, (and also for dead eyes,) we had the pleasure of seeing in operation last spring. The block machine does Mr. B. the greatest credit—more especially as we all have before us, the apparatus of Brunel at Portsmouth, Eng. which has hitherto been considered the ne-

plus ultra of art; but which must now yield to that of Blanchard.

Benjamin Lapham, Waterford, Saratoga county, for an improved power loom. *Gold Medal.*

We were highly delighted with the operation of this loom. It appears to possess several important advantages over other forms. For a detail of the proposed gain in this machine, we refer to the descriptions following this list.

W. P. Brayton, New-York, for an improved throstle spinner. *Diploma.*

A. M. Wilson, Rhinebeck, New-York, for a mowing machine, or grass and grain cutter. *Gold Medal.*

By this machine much time is gained, and labor saved at a critical season of the year.

See description, written by an agriculturist of some note; a cut is also given of the machine in operation.

Benjamin Brundred, Paterson, New-Jersey, for a blowing machine. *Silver Medal.*

John Peckham, Newport, Rhode Island, for a mortising and tenoning machine.—*Diploma.*

D. K. Minor, New-York, for (Page's) mortising machine. *Diploma.*

This machine is in great request among carpenters, being portable and of simple construction.

A cut and description will be found on another page.

Wandle Mace, 240 Elizabeth-street, for a post mortising and rail sharpening machine, (a model.) *Diploma.*

This machine will be of great service to armers, saving the labor of 8 or 10 men a day. Portable and simple in its construction.

Nathan P. Bean, for a winnowing machine. *Diploma.*

Tucker, Baldwin & Co., Guilford, New-Hampshire, for a shingle and clapboard machine. A. Wakeman, agent, 187 Broadway. *Silver Medal.*

This machine invented by Mr. Gors, of Milford, N. Hampshire, is intended to cut lath, shingles and clap boards, by slightly altering certain adjustment in the same machine. The simplicity is a great recommendation to this saw. It is of great service in sawing up slabs and waste stuff.

John Folsom, Hallowell, Maine, for a rotary brush machine. *Diploma.*

D. L. Sherwood, New-Windsor, New-York, for a patent windlass. *Diploma.*

Alfred Thompson, 58 Orchard-street, for a churn of beautiful workmanship. *Diploma.*

Charles H. Baldwin, 185 Hester-street, for two churns of beautiful workmanship.—*Diploma.*

Samuel S. Allen, for a threshing machine. *Diploma.*

Andrew Luke, Broadway, for a cider mill. *Diploma.*

S. Kibbe, Esperance, Schoharie county, New-York, for one cheese press. *Hiploma*

Bates, Hyde & Co., Bridgewater, Mass. for a hand cotton gin. *Diploma.*

T. & N. Sawyer, 235 Bleecker-street, for an improved copper pump for wells and cisterns. *Silver Medal.*

John Burt, Tall River, Mass., for a patent self adjusting water wheel, manufactured by J. S. Anderson, 163 Chapel-street. *Diploma.*

E. Whitfield, William-street, for a frictionless pump. *Diploma.*

Thomas C. Barton, New-Jersey, for a forcing and suction pump. *Diploma.*

Erastus A. Holton, Westminister, Vermont, for a hoop shaving machine. *Diploma.*

A very useful apparatus for coopers.—With proper attendance it is said that 1000 hoops a day can be turned out.

The machine costs but 12 or 15 dollars, and we should think would save its cost in a short time.

Isaac Wiltberger, 47 Robinson-street, for a machine for corking bottles. *Diploma.*

Charles Parke, 71 Hammersley-street, for a rope serving machine. *Diploma.*

A. B. Smith, 7½ Bowery, for a watch clock. *Diploma.*

Henry Sperry, 204 Bowery, for a specimen of eight day clocks. *Diploma.*

Erastus A. Holton, Westminister, Vermont, for a portable grist mill and vegetable cutter. *Silver Medal.*

The advantages of the vegetable cutter to farmers will be great. A boy, we are told can cut two bushels of potatoes, or turnip per minute, leaving the pieces  $\frac{1}{4}$  of an inch thick.

Ira Gay, Nassau, New-Hampshire, for a sash planing machine. *Diploma.*

W. H. & S. Nichols, 252 Water-street, for a pair of scales of good workmanship. *Diploma.*

E. & T. Fairbanks & Co., St. Johnsbury, Vermont, for a platform scale. *Diploma.*

Wm. R. Nevins, corner Greenwich and Christopher-streets, for a model of a biscuit machine. *Diploma.*

Cornell Machine Company, office 180 Broadway, for the best stave machine. A Gold Medal having been awarded last year. *Diploma.*

Decidedly the best stave machine in the country. There is the least possible waste of stuff, while the staves are very neatly finished. In a former number of this work we have given cuts and description of the machine to which we refer.

No one having timber of the proper sort, and spare power, should be without this machine, it would return a very handsome profit.

H. & C. Ripley, West Springfield, Mass., for the 2d best stave machine, first time exhibited. *Silver Medal.*

Another stave machine on an entire different principle. It is more simple than the rest, but it appears to us that the saw is of a shape, and size, difficult to make; the waste of stuff considerable, and the consumptions

of power great, while the staves are not delivered in a smooth state.

In many situations however its superior portability, and simplicity, might render it very desirable.

American Hydraulic Company, for a rotary pump, Wm. C. Wilcox, agent. *Diploma.*

James Maxwell, 259, Bowery, for a self feeding corn sheller. *Diploma.*

Duncan & West, 2 Little Green-street, for one patent mangle. *Diploma.*

Thomas Blanchard, New-York, for a new method of boat fastening. *Diploma.*

A curious invention. A boat was exhibited that had been in use for two years in our harbor, the sides of which were only three sixteenths of an inch thick, and through which we thrust a pin.

Sockets are fastened upon the sides, through which a transverse iron wire is passed giving the shape to the boat—the sides are strung, as it were, upon this, and secured by a screw and nut on the gunnel.

A boat so constructed, can be taken apart and put together, using only a screw wrench. This boat has an advantage in being able to resist all twisting or blows upon the side, reminding one of a basket, rather than a boat.

This and the following invention, designed to remedy some of the defects of the common circular saw, are both contrivances of the fertile brain of Mr. Blanchard.

Thomas Blanchard, New-York, for a model of a circular saw mill. *Diploma.*

Daved M. Cradit, Ithaca, New-York, for a lathe cutting machine. *Diploma.*

The advantages proposed to be gained in this lathe cutter, are the rapidity with which they can be made—the saving of stuff, no saw being used, and the superior quality of the lathe. Cross grained, or knotty wood, works up well in this machine.

A. F. Bright, Onondaga county, New-York, for a washing machine. *Diploma.*

H. Huxley, 79 Barclay-street, for a hand power corn sheller. *Diploma.*

J. R. Newell, Boston, Mass., for a knitting machine. A Gold Medal having been awarded last year. *Diploma.*

A very pretty and ingenious knitting machine, on which caps, stockings, shirts or drawers can be wrought, as well as suspenders and other narrow articles. The operation is a beautiful imitation of hand knitting.—The contrivance by which the delivery of the yarn is regulated is very ingenious.

We are afraid that the knitting ladies will look upon this as a formidable rival.

George Swan, Oneida county, for a patent forge back. *Silver Medal.*

Herrick Aiken, Dracut, Mass., for a leather splitting machine. *Diploma.*

Robert Rankin, Baltimore, Maryland, for a machine for moulding bricks. *Diploma.*

Thomas H. Dollay, for a naval fid for stretching straps for blocks. *Diploma.*

P. N. Pease, Brainbridge, New-Jersey, for a model of a machine for threshing clover. *Diploma.*

S. Spinning, Eighth-street, for a machine for cutting sausage meat. *Diploma.*

J. S. Shuler, Lockport, New-York, for a straw cutter. *Silver Medal.*

Greenleaf, Shepard & Cumberland, Paris, Oneida county, New-York, for a rotary steam engine. *Silver Medal.*

A rotary engine not differing (as far as we can perceive) in principle from most others. Its action was very pretty, and the power over it, as to stopping and reversing complete. We did not have an opportunity of seeing it while attached to one of the saws.

Warren P. Wing, Troy, New-York, for a mill bush and lubricator. *Diploma.*

P. Williamson, Division-street, for a model of a newly invented sofa and settee bedstead. *Diploma.*

John C. Blauvelt, Rockland county, New-York, for a stone eradicator and grind stone. *Diploma.*

Paul Stilliman, for a model of a steam engine. *Diploma.*

Two working models and one miniature model of steam engine—the working models, very well made.

Henry H. Storms, 47 Robinson-street, for a steam engine. *Diploma.*

John M. D. Keating, Peck-slip, for a miniature model of a steam engine, weighing 3 ounces.

John Landmark, 3 Roosevelt-street, for a fine lemon squeezer. *Diploma.*

Curtis, Babbitt & Stafford, Utica, New-York, steam hydraulic engine. This is an apparatus for raising water by the application of steam for the purpose of using the water when so raised as a water power applicable to an ordinary over-shot or other wheel. The examination of this process—which has been in operation during the Fair, has excited a deep interest. The committee in their endeavor to arrive at a just conclusion as to the utility of this ingenious contrivance, have availed themselves of the suggestion of several scientific gentlemen who attended the fair. Its operation would seem to promise valuable results—at the same time, the committee find that no means existed, owing to the hasty manner of putting the machine in operation, of truly testing the power and quantity of steam used in raising and supplying a given quantity of water.

While, therefore, the committee are not prepared to say that by this arrangement a greater effect can be produced in propelling machinery by using water as an intermediate agent, than by the direct application of the steam itself,—they cannot deny but such may, on a more thorough test, prove the result. Without therefore giving a decided opinion, and recommending the invention of this mechanical arrangement by a premium, on the part of the Institute, the committee regard this effort evidence of great genius and as giving such high promise of ultimate beneficial results, as to warrant the continued perseverance of the enterprising and scientific gentlemen, who

have so laudably embarked in this enterprise.

The judges had not sufficient data for ascertaining the economy of this machine—it appeared to us a revival of the Margins of Worcester's first method of using steam.

#### SIGN PAINTING AND IMITATIONS OF WOOD AND MARBLE.

Kennedy & Alford, 505 Grand-street, for the best specimen of manuscript sign painting. *Diploma.*

John Gibbs, 151 Front-street, for the best specimen of ordinary sign painting. *Diploma.*

John J. Roach, 76 Cedar-street, for a block letter sign, (American Institute).—*Diploma.*

W. & J. Gibson, Bowery, for the best specimens of imitation wood and marble, ground glass, damask, and silk tapestry.—*Silver Medal.*

The imitations of wood are the finest we have seen, excelling in beauty the common specimens of the wood itself.

The marble was likewise very well done.

John Frost, 50 Roosevelt-street, for specimens of ornamental sign painting and imitations of marble. *Diploma.*

Imitations of marble on glass—a very good idea, and very neatly executed. The deception is perfect.

#### MATHEMATICAL AND PHILOSOPHICAL INSTRUMENTS, &c.

E. N. Byram, Sag Harbour, Long Island, for the best large orrery, or planetary machine. *Gold Medal.*

We have understood that this orrery is the work of a young man, disabled for many years in his lower extremities, and who, without any of the usual instruction, constructed this suspended orrery—a most ingenious piece of mechanism.

Brown & Francis, 252 Broadway, for the best orrery, tellurian, and models of the human eye, for the use of schools. *Diploma.*

The school apparatus, designed to carry out the more improved systems of education, now adopted in our seminaries, will prove a powerful auxiliary to the well informed teacher.

The workmanship is good, and the prices are moderate.

Brown & Francis, 252 Broadway, for the best electrical machine, and air pump. *Silver Medal.*

The electrical machine was very well made—the air pump, as far as we could judge from inspection, a very creditable article. It has a very great advantage in combining the exhausting and condensing power in the same machine.

Doct. Jonas Humbert, junior, 14 Roosevelt-street, exhibited a magnificent electrical machine, which attracted great attention, and was almost continually surrounded by crowds of admirers. This machine, with the accompanying apparatus, was constructed, and is employed for medical purposes. Doct. Humbert deserves the thanks of the

committee for his enterprise and ingenuity in getting up this costly and useful apparatus, so appropriate to the purposes for which it was intended.

Dr. Humbert was decidedly the most popular man at the fair.

John Roach, 4 Wall-street, for the best specimen of thermometers, barometers, and surveyor's compasses. *Silver Medal.*

Mr. Roach's instruments are characterized by great neatness and accuracy of construction.

His barometer we have heard highly praised—he uses a glass cistern, thereby ensuring a correspondence between all his instruments, a point of vital importance in meteorological observations.

Timpson & Swan, 259 Water-street, for the 2d best specimen of surveyor's compasses. *Diploma.*

Mark E. Swain, 67 Division-street, for a specimen of glazier's diamonds, for cutting glass, and surveyor's chains. *Silver Medal.*

The chain we considered a very fair piece of workmanship.

**GLASS AND EARTHEN WARE.**  
Cut glass is one of the most elegant of modern luxuries, and the specimens exhibited were beautiful—we particularly admired the taste displayed in the form and pattern of the various articles.

The stone ware, also displayed a variety of substantial vessels.

Joseph Baggott, Liberty-street, for the best specimen of cut glass and cutting.—*Silver Medal.*

Bonnell & Bradley, 149 Broadway, for the 2d best specimen of cut glass and cutting. *Diploma.*

Michael Lefaulon, Salamander works, for a beautiful specimen of stone ware. *Diploma.*

#### MISCELLANEOUS.

R. & W. Robinson, Attleborough, Mass., for a most splendid specimen of buttons.—*Gold Medal.*

These buttons are well characterized in the catalogue as splendid; the beauty of these patterns, added to the richness of their finish, will go far to render them fashionable.

D. Berrian, 357 Pearl-street, for a beautiful specimen of brushes and bellows.—*Silver Medal.*

Mr. Berrian has certainly displayed great ingenuity and taste in this line. No articles belonging to the household and toilet, comes more frequently under the eye than the brush, and neatness of form is consequently a great commendation. If any one will take the trouble to count up the various brushes in use about him, he will be astonished at the number—we were truly so when first called to notice it. Among others we consider the flesh brush in itself a complete medicine chest, and as indispensable as a hair brush.

Johnson & Co., cor. Cedar and William-

streets, for the best specimen of perfumery. Cologne water and fancy soaps. *Silver Medal.*

Josiah Burton, 390 Pearl-street, for the best specimen of confectionary articles.—*Diploma.*

T. G. Hodgkins, 49 Courtland-street, for the 2d best specimen of confectionary articles. *Diploma.*

Benjamin Sherwood, 321 Fourth-street, for the best specimen of fire proof safe or chests. *Silver Medal.*

Truly a safe. This was one of the first articles at the fair that attracted our attention.

We have always considered a double chest as the true form for protection against fire. The communication being only established in two points, and the interior of the outer chest being a very bad conductor of heat, the most perfect degree of safety is attained. A chest was exhibited which had undergone a severe heat in a furnace.

At the end of the article, we shall give an account of the experiment in the inventor's iron works.

Jesse Delano, 97 Water-street, for the 2d best specimen of fire proof iron chests.—*Diploma.*

T. W. Whitley, Paterson, New-Jersey, for an improved window sash and show case. *Diploma.*

Robert Morrison, 159 East Broadway, an apprentice, for a small mantle piece. *Silver Medal.*

Mrs. Susan Newell, 64 Gold-street, for a specimen of flags. *Diploma.*

Mrs. C. Pierson, 124 Nassau-street, for a specimen of flags. *Diploma.*

U. Warren, 350 Houston-street, for one septanaria table top. *Diploma.*

A very rich piece of furniture—the border was of Scagliola.

Henry Durell, 216 William-street, for specimens of metallic combs. *Diploma.*

Ward & Bell, 227 Washington-street, for the best specimen of preserved birds. *Diploma.*

Mrs. S. Little, 440 Washington-street, for the 2d best specimen of preserved birds.—*Diploma.*

E. Guilandain, for fine specimens of preserved birds. *Diploma.*

William McDougal, 85 Sullivan-street, for a specimen of repairing china or earthenware. *Diploma.*

New-Haven Verd Antique Marble Company, New-Haven, Conn., for fine specimen of marble, (a chimney piece.) *Silver Medal.*

No country can vie with ours in beauty and variety of marble. The discovery of this quarry is of recent date—and the marble bids fair to come into general use.

The chimney piece attracted universal attention.

Mrs. Gould, 1½ Ann-street, for fine specimen of pickles. *Diploma.*

Mrs. Gould seemed determined to make our mouths water, crowds stood admiring the tempting display of sour luxuries.

Harris & Wynans, 65 Canal-street, for

fine specimens of paper hangings. *Silver Medal.*

E. & S. S. Rockwell, 192 Broadway, for the specimens of vault lig.-ts. *Silver Medal.*

If any one has had the misfortune to slip upon, or fall through one of the old fashioned vault grates, (and who has not,) he needs no recommendation of this neat and popular light.

Henry Fannington, 290 Broadway, for a variety of splendid transparencies. *Silver Medal.*

Mr. Hanningtons luminous conceptions are well known to every inhabitant of Gotham.

John McCoy, apprentice, 205 Duane-street, for one cedar pail of superior workmanship. *Diploma.*

Robert Lawrence, apprentice, 205 Duane-street, for one cedar pail of superior workmanship. *Diploma.*

J. B. Roberts, 452 Broadway, for fine specimens of chimney tops. *Diploma.*

Barnard Slate Company, Bangor, Maine, Walter Janes, agent, for a fine specimen of slate. *Silver Medal.*

Joseph Richards, 175 Broadway, for fine specimens of gold spectacles. *Diploma.*

Robert Usier, 513 West-street, for fine specimens of preserved beef and hams.—*Diploma.*

Boardman & Hart, 6 Burling-slip, for superior specimens of Britannia ware.—*Silver Medal.*

This firm has long been known, and their ware highly esteemed, but we think the pieces of Britannia ware, displayed on this occasion, were finer than any we have before noticed.

Pupils of the Assylum for the Blind, for a handsome specimen of rugs. *Silver Medal.*

Creditable alike to the "blind," and to those benevolent individuals, who have with praiseworthy zeal, give their whole time to the improvement of the condition of their unfortunate brethren.

John Smith, 217 Water-street, for a superior specimen of jappanning. *Diploma.*

Samuel Judd, Water-street, for beautiful specimens of sperm candles. A Silver Medal awarded last year. *Diploma.*

Henry W. Oliver, 280 Division-street, for a portable meat safe. *Diploma.*

Doct. J. Francis, Chambers-street, for a fine specimen of artificial eyes. *Diploma.*

Eyes for the blind, as good in appearance, at least, as the original organ. This branch of manufacture should prosper in those parts of the world where gouging is practised.

Marble Cement Company, 180 Broadway, for fine specimens of marble cement, N. H. Gale, agent. *Silver Medal.*

Not satisfied with the genuine marble, we must have imitation, possessing, however, this advantage, that marble cement can be applied to the exterior of a building, in cases where marble could not be afforded for even a part.

Wm. Chandless, 6 Clarkson-street, for specimens of manufactured German silver. *Diploma.*

Dec. Lewis Feuchtwanger, 377 Broadway, for specimens of German silver in the crude and prepared state, of his own manufacture. *Silver Medal.*

The silversmith must look to Dr. Feuchtwanger. His display of forks, spoons, ornaments, &c., was very fine—a casual observer would be deceived, and suppose them to be of genuine silver. This composition is becoming daily more popular. For mathematical and astronomical instruments, it is decidedly the best material.

Mr. Moto, for a design of a certificate of membership for the chamber of trade.—*Diploma.*

Martin G. Johnson, Jamaica, Long Island, for specimen of maps executed with the pen. *Diploma.*

Francis Murphy, 756 Broadway, for the best specimen of water proof blacking. *Silver Medal.*

Charles Thompson, 28 Pitt-street, for the best specimen of water proof blacking.—*Diploma.*

W. & J. Crolius, 400 Water-street, for a model of a club boat made from old iron sides. *Silver Medal.*

The beauty of this model together with the association, with the name of Old Iron-sides, rendered this an object of great curiosity.

Joseph C. Kent, 734 Greenwich-street, for a model of a boat. *Diploma.*

The Reliord Glass Company, for a specimen of window and crown glass, Charles Goff, agent, Maiden-lane. *Diploma.*

Miss Jane Stewart, has exhibited two paintings in oil, viz. a lady in the costume of Charles the Second, and a serenade by moonlight on the lake. Although too late for competition, are considered beautiful specimens.

Mrs. Wm. Niblo, for a superior pumpkin pie, made of the great pumpkin exhibited during the Fair, weighing 140 lbs. *Diploma.*

American Cement Company, for two busts and a lion made of cement, Obadiah Parker, Syracuse, agent. *Diploma.*

Alfred T. Serrell, Sixth Avenue, for fine specimens of ornamental inlaid boards for piano fortés. *Diploma.*

Very pretty workmanship from a young artist—in whose whole family the constructive talent is prominent.

James E. Serrell, Sixth Avenue, for fine specimens of brusel blocks. *Diploma.*

S. W. Stockton, Philadelphia, for the best specimen of incorruptible teeth, maxillary bones, skull, &c., and of mechanical dentistry. *Silver Medal.*

These teeth were good substitutes for that necessary apparatus, which from disease or accident we sometimes lose prematurely—but we were particularly pleased with the skull, showing the provision of nature in reference to the first and second teeth.

We dare to say that many received from it much more correct notions than they formerly entertained in regard to their teeth, even though they are always in their mouths.

#### CABINET WARE.

Bishop & Breckells, 450 Broadway, for the best sofa bedstead, of superior workmanship. *Silver Medal.*

H. Brunswick, 7½ Bowery, for a sofa bedstead, approved for its design, convenience and usefulness. *Diploma.*

G. & W. H. Jennison, cor. Charlton and Varick-streets, for an improved refrigerator. *Silver Medal.*

A neat piece of furniture, and a most desirable article of household economy—particularly when the thermometer indicates 80° or 90° Fahr.

Brown & Ash, 191 Bowery, for a double action revolving and self acting chair.—*Silver Medal.*

This chair affords facilities for every change of position calculated to relieve the tedium of a sedentary life.

The perpendicularity of the books to the axis of vision is ensured, while the chest can be fully expanded.

Decidedly the greatest luxury to be found in a study.

#### CHEMICALS, &c.

J. J. Tobin, (Fort Lee Chemical Works,) for the best specimen of chemicals. *Silver Medal.*

Kipp & Cordes, 55 Forsyth-street, for a handsome specimen of starch. *Diploma.*

Wm. Sturdivant, 474 Broadway, for the best specimen of white sperm oil. *Diploma.*

W. H. & S. Nichols, 252 Water-street, for scales for apothecaries'. *Diploma.*

Jones & McDonald, 83 Fulton-street, for a fine specimen of apothecaries' scales. *Diploma.*

#### CARVING AND GILDING.

Kreps & Smith, 22 Rivington-street, for the best specimen of gilding. *Diploma.*

Solomon Pancoast, 54 Spring-street, for a fine specimen of polished white and mahogany doors. *Diploma.*

Thomas Golwin, 169 Maiden-lane, for the best specimen of gilding on glass. *Diploma.*

#### AGRICULTURE, &c.

We are glad to find the Institute paying particular attention to agriculture. The corn of Mr. Johnson was examined on the ground by a committee, several stalks of unusual size were exhibited.

The mammoth vegetables raised our standard of comparison in regard to size. As large as a pumpkin, we shall interpret in a very different manner, after having seen the one at the fair.

The various samples of honey, were quite deserving of notice, the beauty of the article and the ingenuity displayed in the construction of the hives pleased us much.

Barret Johnson, Brooklyn, Long Island for a specimen of corn from a field of about 10 acres, on the farm of Gen. Jeremiah Johnson. *Silver Medal.*

Robert Thompson, Flushing, Long Island for early Dutch drum head cabbages of uncommon growth, weighing from 35 to 42 lbs., each. *Diploma.*

James H. Colyer, Newtown, Long Island, for a bunch of 100 onions, weighing 120 lbs. *Diploma.*

C. Bergen, Brooklyn, Long Island, for specimens of white and red beets of an uncommon large size. *Diploma.*

N. Cowen, oven, New-York, for a specimen of pound pears, 13 on a twig, of 8 inches in length, weighing 8½ pounds, from his farm on Long Island. *Diploma.*

James Duran, Harlaem, New-York, for an enormous pumpkin, the seeds of which sold for 12½ cents each. *Diploma.*

Charles T. Butting, for an uncommon sized pumpkin. *Diploma.*

David Ruggles, Newburgh, for a specimen of leaves from the Russia mulberry tree, of various years' growth cultivated by him. *Silver Medal.*

Francis Kelsey, Lodi, New-Jersey, for a fine specimen of honey and bees, the honey made from inferior Southern honey, as also in improvement for increasing the quantity. *Silver Medal.*

Levi H. Parrish, for a specimen of patent bee-hives, beautiful, convenient, and well arranged. Considered a meritorious article. *Silver Medal.*

Wilcox & Cone, West Bloomfield, Ontario county, N. Y., for the greatest quantity of first rate honey, part of a lot of 3700 lbs.—*Silver Medal.*

James Van Dyke, Brooklyn, Long Island, for the best specimen of mustard. *Diploma.*

John Spry, 596 Broadway, for the best specimen of flower stands. *Diploma.*

Specimens of ploughs, exhibited by John Weaver, of Maryland, Minor & Horton Peekskill, N. Y., and Andrew Drysdale, sen. of this city, will hereafter be tested by actual experiment, and the result published in the Journal of the American Institute.

#### CARRIAGES AND SLEIGHS.

In this line there were not many specimens, but they all obtained medals. The miniature carriage, and the sleighs were finished in a superior manner.

Daniel M. Grummon, Newark, New-Jersey, for a child's landau, a beautiful piece of workmanship. *Silver Medal.*

James Flinn, New-York, for a light pleasure waggon. *Silver Medal.*

Robinson & Vanderbilt, Albany, N. Y., for a Stanhope carriage and four sleighs, of superior workmanship. *Gold Medal.*

#### SURGICAL INSTRUMENTS, &c.

Doctor A. G. Hull, 4 Vessey-street, for the best specimen of trusses. A premium having been awarded at three former Fairs. *Diploma.*

Doctor A. G. Hull, 4 Vessey-street, for an intra abdominal supporter. *Diploma.*

James Jones, Providence, R. Island, for a patent relief bedstead for invalids, an invention of great importance to the afflicted.—*Gold Medal.*

These sickbeds were so well liked, that the judges awarded medals to each.

Marcus T. Moody, Northampton, Mass., for an elevating spring bed, highly approved for its simplicity of structure, cheapness, and great utility. *Silver Medal.*

Williams Woolley, 422 Broadway, for an

invalid bedstead, possessing many advantages over those now in use. A gold medal having before been awarded. *Silver Medal.*

We saw several articles during the fair, that have not been noticed in the catalogue,

The machine—wrought Stockbridge marble, Clark and Boynton patentees, was among the number; this was brought in too late for competition for the premium.

The block of marble was in a state ready for use, and as nearly 700 pounds had been lost in dressing, it is easy to imagine the saving in transportation. From the description and cut, on another page, the reader will perceive that the machine is original, and superior in its operation, to that of Hunter, patented in England. There is no danger of breaking off the corners, as in that machine,

while more work can be performed in an hour, than a man by hand, can do in a day.

It is also said to leave the surface of the stone in a better state for polishing, than when dressed by hand.

We refer our readers to the figure, and its description.

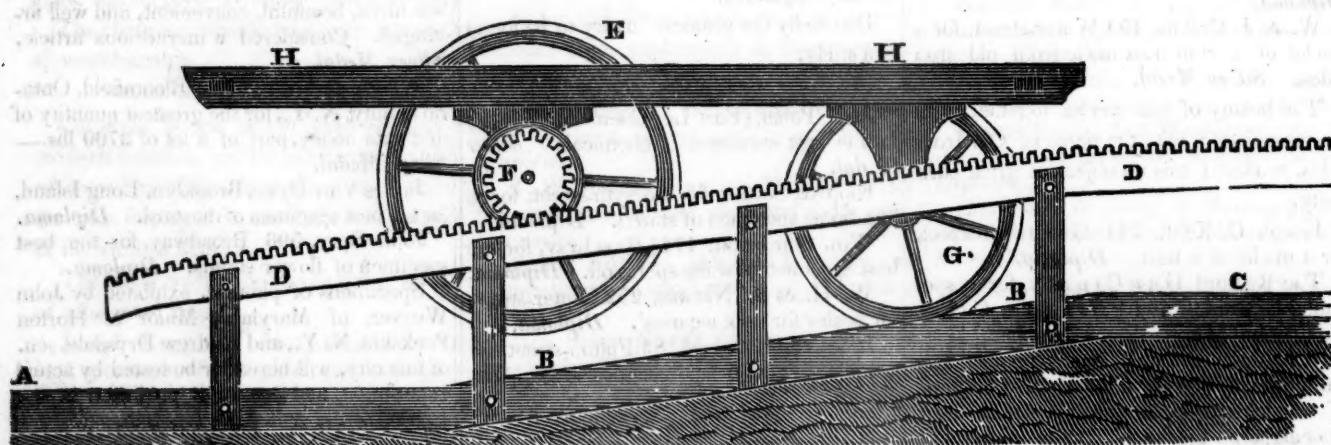
There was also an ingenious wire cutting, and sharpening machine, by Mr. Thorp, of Cambridge, Mass. This engine is intended for preparing wire for calico printers, and pianoforte makers; is ingenious in its mode of operation, and a great labor saving apparatus.

A few machines would suffice for those purposes in the whole country; though it can be adopted to a variety of uses, of a similar nature.

We also noticed several books, printed for

the blind; no label was attached to them, and we do not know whether they were printed in this country, or Europe. If of domestic origin we should have thought them worthy of a notice, at least, if not a medal.

A preparation entitled Vegetable Skeletons, representing the seed vessels, of the *Datura Stramonium*, cleared of every thing but fibre, was to us an attractive object. The extreme neatness of the preparation, and the beautiful taste of the printed card, gave indications of our unusual talent for nicety, and order. We are entirely ignorant of the exhibitors name or sex. We should think that some thing of female style was shown in the arrangement, but are not certain. This same hand directed by such skill, would produce most beautiful preparations in different branches of natural history.



The above cut represents a new plan of ascending and descending inclined planes upon Railroads. A, B, C, represents the main track of which B, B, is the inclined plane. D, D, represents a rack rail, which is raised above the main track, to a sufficient height to receive the pinion or cog wheel F. The rack rail may be attached to the main track or otherwise constructed, as may be found most expedient; the wheel F, is to be attached to the axle of the running wheel of the locomotive, as the wheel F, runs upon the rack rail, it raises the back of the engine to a sufficient height, that the frame H, H, is kept in a horizontal position, and consequently the water in the boiler keeps the same position in ascending and descending, as though the machine were running upon a level track. G, is the forward wheel of the engine, which runs upon the main track. In ascending or descending, the rack rail should be extended at the summit of the plane, to a sufficient length to drag up the train of cars, and just high enough to let the large wheel E, clear the main track. It appears to me, that engines con-

structed on the above plan may be made er that would be requisite can be obtained; to ascend considerable declivities; it is and likewise it is an easy matter to make evident that by decreasing the size of the all planes of the same inclinations. cog wheel F, almost any amount of power.

#### A YOUNG MECHANIC.



WILSON'S MOWING AND GRAIN-CUTTING MACHINE.

The above wood engraving represents the machine exhibited by Capt. Alexander M. Wilson, of Rhinebeck, for mowing and for cutting grain, by the power of one or more horses, or oxen. It would be needless to attempt giving such a description of

this machine as would serve to aid in its construction, as it has been secured to the inventor, by letters patent, and no one will, of course, attempt to construct it without consulting him or his agent; in which case, they will not only examine the machine, but receive the instructions necessary.

The machine now exhibited, is propelled

by two horses or oxen, going in the rear and pushing it forward. It moves on two large wheels similar to the hind wheels of a coach, the axle of which, communicates a rotary motion to a wheel which revolves horizontally, around which are knives projecting from the edge, under such angle as to cut the grass or grain with a constantly drawing stroke, and a superstructure is erected on this cutting-wheel, which carries it out and deposits it in the swath.

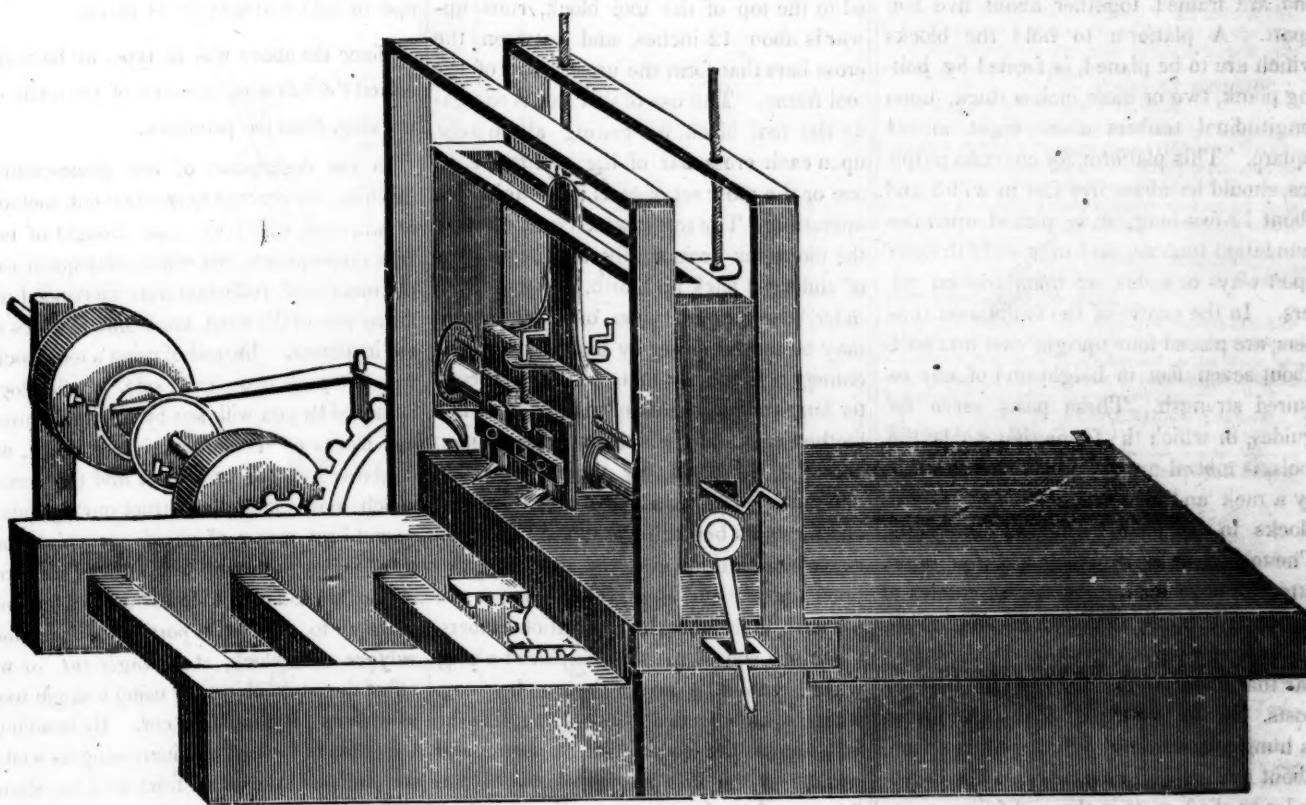
We have not seen this machine in operation, cutting grass or grain, as the place of exhibition, of course, afforded none to cut; but from the testimony of gentlemen whose veracity and judgment in the case, cannot be questioned, and from the appearance of the machine, we feel warranted in our belief that it cannot fail to mark a new

and important era in the system of agriculture. The machine can certainly be propelled forward by a common team, and if it goes forward we cannot see how it can fail to cut the grass or grain, where it is not interrupted by stumps or stones; and if the team walks two miles an hour, and cuts a swath six feet wide, which is the width calculated, it must, cut a fraction over fourteen acres in ten hours; there being no time lost in sharpening, as the knives are provided with a self-sharpener, which operates when wanted.

The business of agriculture, is the first and noblest employment of the human family, and the two most important labors of the agriculturist are, the cutting the grain to feed himself and his fellow-creatures, and grass to feed his cattle. This labor owing

to its vast importance, and the critical time when it must be performed, generally commands a higher price than other agricultural labor; and often, owing to the scarcity of hands at that time, the farmer is put to great inconvenience, and sometimes subjected to loss. With this machine the farmer with one man, and team of horses or oxen, can cut his grass and grain in the time they could be cut by ten men, and one machine would be sufficient for a considerable neighborhood. If this is not one of the most important and valuable improvements in the useful arts, we can scarcely conceive what would be.

The inventor will be found at Rhinebeck, Dutchess Co. N. Y., where application may be made, or to George Hanford's, Market-Street, Albany.



CLARK AND BOYNTON'S STONE-CUTTING MACHINE.

This machine of which the annexed engraving presents an accurate representation, and for which Letters Patent of the U. S. were granted last Summer, was contrived with particular reference to the building marble of the West Stockbridge quarries. As yet only one machine has been erected, yet the principles upon which it operates has been so thoroughly tested, as to leave no doubt that most, if not all of the American marbles and sand stones, can be wrought by it with an accuracy, rapidity and beauty of finish, which cannot

be equalled by manual labor. Thus far, it has been only tried upon the West Stockbridge marble, and it has been found that where no more than one inch in thickness is to be taken from the side of a block, the machine by passing once over it, will produce a level surface ready for the polisher. And experiment has also demonstrated, that a stone wrought by the machine, is more easily finished than one which is cut by hand. The machine, while in actual operation, cuts at a rate varying from 16 to 40 superficial feet per hour, according to the texture and size of the block; short and narrow pieces re-

quiring more time in proportion, than those which nearly fill the platforms. The machine now in operation, will cut a block 10 feet long and 3 feet square, or one 10 feet by 3 feet in width, and any thickness less than 3 feet down to 2 inches. It cuts the edge of the blocks as well as the face; preserving the corners entire. It will cut all descriptions of straight mouldings, as for steps and cornice, and it will round or flute a column. The steady and uniform manner in which the tools are applied to the stone, not only prevents them from breaking, but the wear and loss of steel is much less than in tools that are used by

hand. The great strength and simple construction of this machine, render its liability to get out of repair extremely small, and for the same reason any practical mechanic can operate it, without the slightest difficulty.

The following is the specification of the patent.

To all to whom these presents shall come. Be it known that we, Anson Clark and Charles B. Boynton, of West Stockbridge, in the County of Berkshire and state of Massachusetts, have invented certain new and useful improvements in the cutting or planing marble, and other stone. Upon a suitable foundation, are placed two sticks of timber, about 12 inches square and at least twice as long as the longest block of stone which is intended to be cut or planed; these timbers are designed to support the other parts of the machine, and are framed together about five feet apart. A platform to hold the blocks which are to be planed, is formed by bolting plank, two or more inches thick, upon longitudinal timbers about eight inches square. This platform, for common purposes, should be about five feet in width and about 12 feet long, it is placed upon the foundation timbers, and may slide thereon upon ways or slides, or upon friction rollers. In the centre of the foundation timbers, are placed four upright cast iron posts about seven feet in height and of any required strength. These posts serve for guides, in which the frame that holds the tools, is moved up and down by screws, or by a rack and pinions, according as the blocks to be planed vary in thickness. The tool frame is an oblong cast iron frame, fitted to move accurately in the guides of the upright posts, and is raised and lowered by screws, passing through the cross bar that connects the tops of the upright posts. In the lower part of this tool frame, is hung a horizontal cylinder of cast iron, about five inches in diameter. This cylinder or shaft, rests in the tool frame upon journals turned on each end, so as to permit a motion on its axis, and one end of the cylinder or shaft, passes through the tool frame, far enough to allow the attachment of a lever upon the outside of the upright posts. This cylinder is accurately turned through its whole length, so that the cast iron block to which the tools are screwed, may slide upon it from one side of the platform to the other. Upon the under side of the cylinder, is cut a groove of about half an inch in depth, through its whole length, and to this groove is fitted a tongue in the tool block that prevents it from turning round upon the cylinder. The tool block is of cast iron, about eight

inches square, and is bored out so as to be nicely fitted to the horizontal cylinder, and a strong screw passes from one side of the tool frame to the other, and through the tool block above the cylinder, by which screw the tool block is moved upon the cylinder from one side of the platform to the other. Two sliding cast iron plates of about an inch in thickness, and of the same width of the tool block, are fitted to the tool block one upon each side. To these plates the tools are secured by screws, and the plates are moved up and down on the tool block by screws, so that the tools may be accurately adjusted to the surface of the stone, or to the depth required to be cut. There are projections both on the tool block and the sliding plates, through which these screws pass. A strong bar of iron, either cast with, or bolted to the top of the tool block, runs upwards about 12 inches, and between the cross bars that form the upper part of the tool frame. The use of this bar, is to steady the tool block, by resting alternately upon each cross bar of the tool frame, as one or the other set of tools is brought into operation. The screw which runs through the tool block horizontally, for the purpose of sliding it back and forth, along the cylinder, has a crank upon one end, and it may be moved either by hand or by machinery. Upon the under side of the center longitudinal timber of the platform, is a toothed rack into which works a pinion hereafter described, by which rack and pinion the platform is carried backwards and forwards beneath the tools. The pinion which works in to the rack, is fixed upon a horizontal shaft, lying beneath the platform, and across the foundation timbers. Upon one end of this shaft is placed a cog wheel, which is moved by another cog wheel, upon a second shaft, lying, like the first, across the foundation timbers, and parallel to the first named shaft. Upon this second shaft are two pulleys with a clutch between them. One of these pulleys is worked by an oper, and the other by a cross band, so that they revolve in opposite directions, and by shifting the clutch, a reciprocating motion is communicated to the platform. The clutch is shifted from one pulley to the other, by means of a lever moving horizontally upon a joint or pin; one end of this lever lies in the clutch, the other bent like an elbow is so placed as to be struck by pins projecting from the edge of the platform. Upon one end of the horizontal cylinder, is attached a lever on the out side of the tool frame and upright posts. This lever hangs in a perpendicular position, and

is used to shift the position of the tool block, by rolling the cylinder, so that the tools being placed upon opposite sides of the tool block, may be brought alternately into operation, as the platform moves back and forth, and likewise to prevent the tools upon one side from dragging upon the stone, while those upon the other side are cutting. The lower end of this lever is attached to a clasp upon one of the upright posts opposite the edge of the platform. This clasp is several inches longer than the width of the post, so that it can slide a short distance back and forth upon the inner side of this clasp is fastened a forked spring, which runs in a groove in the edge of the platform. The compression of the spring in the groove causes sufficient friction not only to move the lever as far as the clasp will permit, but also to hold it steady in its place.

Since the above was in type, we have received the following account of the mode of working, from the patentees.

In the description of our stone-cutting machine, we omitted to mention one method of working, which we then thought of but little consequence, but which subsequent experiment and reflection have convinced us, forms one of the most important features of the invention. Instead of using a tool-block, with two tools upon each side, which block is moved as you will see by the cut, across the blocks as the surface is cut away, we dispense with the tool-block, and the screw which moves it, and construct our cylinder, so as to set a row of chisels or points forward across the whole width of the platform of the block is so wide—that enabling our machine to take off a portion of the *whole surface* of a block, at a *single cut*, or we effect the same object, by using a single tool, as wide as the stone to be cut. By lessening the depth of the cut, and increasing its width, we diminish the risk of fracturing the stone, and produce a better surface, at the same time, that we increase the capabilities of the machine. Thus a caisel, or sett of chisels, 8 inches in width, and cutting one eighth of an inch deep, works with the same rapidity as one, one inch wide, and cutting one inch deep, producing a better surface, and without any danger of fracture. This arrangement, as you will at once perceive, allows us to increase the strength of the machinery and power used, at pleasure, increasing in a corresponding ratio, the quantity of work performed in a given time. In the method of working the machine, which we described before, this could not be effected. We could not increase the motor beyond a certain speed, (about 15 feet per minute,) with-

out destroying the temper of the tools, and we could not increase the depth of the cutting, without injuring the stone.

By the use of the wide tool, or many tools at once, no limit, other than the power at command, and the strength of the machinery, can be assigned to the rapidity with which stone can be wrought. We have used as wide a tool as we could secure in our present tool block, and with results that warrant all I have written above.

This also distinguishes the machine still

more clearly than before, from the English or Scotch one, and I am the more pleased with this, because there are those, who not being able to purchase our patent at their own price, are making arrangements with Mr. Hunter to patent his machine in this country, thinking thereby to destroy our patent, or at least, affect its value, and this they do without understanding the principle of either machine, or the difference between them.

Very respectfully,

CHARLES B. BOYNTON.

called a public benefactor, and will place the public under very great and lasting obligations.

Very respectfully,

I am dear sir,

Your ob't ser't

BENJ. WRIGHT.

T. B. WAKEMAN, Esq.  
Corresponding Secretary  
American Institute.

[Com. Adv.]

#### DESCRIPTIONS OF THE ENGRVINGS.

- A The standard for the Wheel.
- B Neck of ditto acting as a Pivot.
- C Grooved Wheel working in the fork A.
- E Metal plate at the bottom of the Cars.
- D Friction rollers in the metal Plate.
- F Side braces to steady A.
- G Rail with rounded edges.

#### HARVEY'S PATENT RAILROAD SPIKES.

THE Subscribers are manufacturing and are now prepared to make contracts for the supply of the above article. Samples may be seen and obtained at Messrs. BOORMAN, JOHNSON, AYRES & Co. No. 119 Greenwich Street, New-York, or at the Makers in Poughkeepsie, who refer to the subjoined certificates in relation to the article.

HARVEY KNIGHT.

POUGHKEEPSIE, October 25th, 1836.

The undersigned having attentively examined HARVEY'S PATENT FLANCED AND GROOVED SPIKES is of the opinion, that they are decidedly preferable for Rail roads to any other Spikes with which he is acquainted; and shall unhesitatingly recommend their adoption by the different Railroad Companies whose works he has in charge.

BENJ. WRIGHT,

Chief Engineer N. Y. & E. R. R.

NEW-YORK, April 4th, 1836.

Harvey's Flanged and Grooved Spikes are evidently superior for Railroads to those in common use, and I shall recommend their adoption on the roads under my charge if their increased cost over the latter is not greater than some twenty per cent.

JNO. M FESSENDON, Engineer.

BOSTON, April 26th, 1836. no. 44—7t.

#### AMES' CELEBRATED SHOVELS, SPADES, &c.

300 dozens Ames' superior back-strap Shovels  
150 do do do plain do  
150 do do do cast steel Shovels & Spades  
150 do do Gold-mining Shovels  
100 do do plated Spades  
50 do do socket Shovels and Spades.  
Together with Pick Axes, Churn Drills, and Crow Bars (steel pointed,) manufactured from Salisbury refined iron—for sale by the manufacturing agents,

WITHERELL, AMES & CO.

No. 2 Liberty street, New-York.

BACKUS, AMES & CO.

No. 8 State street, Albany

N. B.—Also furnished to order, Shapes of every description, made from Salisbury refined Iron 4—yds

#### AN ELEGANT STEAM ENGINE AND BOILERS, FOR SALE.

THE Steam Engine and Boilers, belonging to the STEAMBOAT HELEN, and now in the Novelty yard, N. Y. Consisting of one Horizontal high pressure Engine, (but may be made to condense with little additional expense) 36 inches diameter, 10 feet stroke, with latest improved Piston Valves, and Metallic packing throughout.

Also, four Tubular Boilers, constructed on the English Locomotive plan, containing a fire surface of over 600 feet in each, or 2500 feet in all—will be sold cheap. All communications addressed (post paid) to the subscriber, will meet with due attention.

HENRY BURDEN.

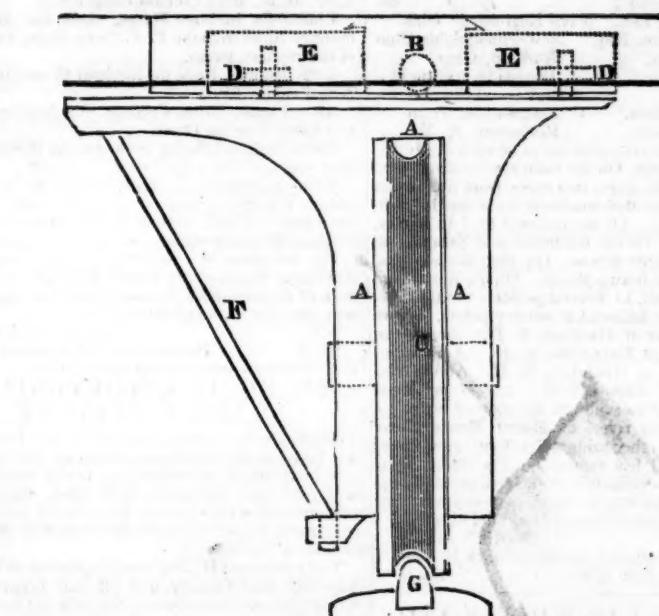
Troy Iron Works, Nov. 15, 1836. 47—7t

#### WESTERN RAILROAD.

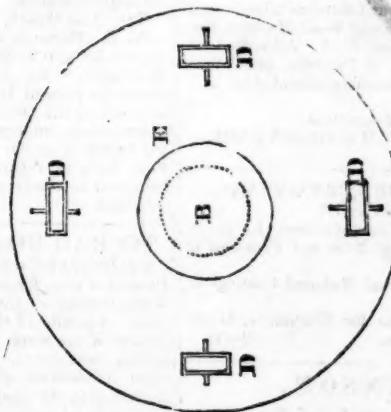
PROPOSALS will be received at the Office of the Western Railroad Corporation, in Worcester, until the 10th November, for the grading and masonry of the first division of the Road, extending from Worcester to East Brookfield, a distance of 19½ miles.

Plans, profiles, etc., will be ready for examination after the 10th November. W. H. SWIFT,  
Resident Engineer.

Worcester, Mass. Oct. 19, 1836. 43—mno30



Top view of the metal plate E.



#### IMPROVEMENT IN RAILROADS.

The following letter from Judge Wright was intended for the November number of the Journal of the American Institute, but was excluded by the press of matter in relation to the 9th annual fair. The model is still at the repository 187 Broadway. As it is important, if it is an improvement, that it should be immediately known, you will do a service by publishing the letter, that practical engineers may examine and hear the explanations of Dr. Plantou, who will continue in town a few days.

NEW-YORK, Nov. 4, 1836.

Dear Sir. I have examined the model of

a Railroad car and rails adapted thereto, now at the American Institute, invented by Dr. A. Plantou, of Philadelphia.

The action of the car whereby the forward motion given to it, adapts itself to curves of small radius, as well as tangent lines, is new to me, and appears to possess the very valuable property of greater security against running off the track, and also against breaking the axle. These are the cause of nearly all the injuries to limb and loss of life, which happen on our present Railroads.

If Dr. Plantou succeeds in introducing his improvements in the form of cars and rails suited to them, he will be entitled to be

## THE NEW-JERSEY, HUDSON AND DELAWARE RAILROAD.

NOTICE is hereby given that under and by virtue of an act of the Legislature of the State of New-Jersey, entitled, "A further supplement to an act to incorporate the New-Jersey, Hudson and Delaware Railroad Company, passed the 8th day of March A.D., eighteen hundred and thirty-two," the books to receive subscriptions to the Capital Stock of said Company will be open at 10 o'clock, A.M., of each of the days following, viz:

On Tuesday, the 8th Nov. next, at Joseph Tilman's, Columbia, N.J.

Wednesday and Thursday, 9th and 10th Nov. next, at John J. Blair's, Gravelhill, N.J.

Friday, 11th Nov., at George Crockett's Marksboro, N.J.

Saturday, 12th Nov., at Peter B. Shafer's, Stillwater, N.J.

Monday, 14th Nov., at John S. Warbasse's, Newton, N.J.

Tuesday and Wednesday, 15th and 16th Nov., Abn. Brav's, Augusta, N.J.

Thursday, 17th Nov., at Stephen Ward's, Hamburg, N.J.

Friday and Saturday, 18th and 19th Nov., at H. Vibert's, Dechertown, N.J.

Tuesday and Wednesday, 13th and 14th Dec., at United States Hotel, Newburgh, New-York.

Thursday, 15th Dec., at no 34 Wall-street, city of New-York.

And continue open at the last mentioned place until the whole stock shall have been subscribed for, or at the discretion of the Commissioners. But if the whole of the Stock shall be subscribed for at either of the above mentioned places, the books will be immediately closed.

The Capital Stock is \$500,000 with liberty to increase to \$800,000, divided into shares of \$100 each.

The sum of \$5 on each share is required to be paid on subscribing.

SAMUEL FOWLER,  
JOHN BELL,  
JOSEPH CHANDLER,  
WILLIAM HYBERGER,  
ENOS GOBLE,  
DANIEL HAINES,  
SAMUEL PRICE,  
JOHN I. BLAIR,  
JOSEPH E. EDSALL,

COMMISSIONERS

Dated Oct. 3rd, 1836

41—9

## PATENT RAILROAD, SHIP AND BOAT SPIKES.

The Troy Iron and Nail Factory keeps constantly for sale a very extensive assortment of Wrought Spikes and Nails, from 3 to 10 inches, manufactured by the subscriber's Patent Machinery, which after five years successful operation, and now almost universal use in the United States, (as well as England, where the subscriber obtained patent,) are found superior to any ever offered in market.

Railroad Companies may be supplied with Spikes having countersink heads suitable to the holes in iron rails, to any amount and on short notice. Almost all the Railroads now in progress in the United States are fastened with Spikes made at the above named factory—for which purpose they are found invaluable, as their adhesion is more than double any common spikes made by the hammer.

All orders directed to the Agent, Troy, N.Y., will be punctually attended to.

HENRY BURDEN, Agent.

Troy, N.Y., July, 1831.

\* Spikes are kept for sale, at factory prices, by I. & J. Townsend, Albany, and the principal Iron Merchants in Albany and Troy; J. I. Brower, 222 Water street, New-York; A. M. Jones, Philadelphia; T. Janvier, Baltimore; Dugrand & Smith, Boston.

P.S.—Railroad Companies would do well to forward their orders as early as practicable, as the subscriber is desirous of extending the manufacturing so as to keep pace with the daily increasing demand for his Spikes.

(123am) H. BURDEN.

## NEW ARRANGEMENT.

## ROPES FOR INCLINED PLANES OF RAILROADS.

WE the subscribers having formed a co-partnership under the style and firm of Durfee, Coleman & Co., for the manufacturing and selling of Ropes for inclined planes of railroads, and for other uses, offer to supply ropes for inclined planes, of any length required with out splice, at short notice, the manufacturing of cordage, heretofore carried on by S. S. Durfee & Co., will be done by the new firm. All orders will be promptly attended to, and ropes will be shipped to any port in the United States.

8th month, 8th, 1836. Hudson, Columbia County, State of New-York.

E. S. TOWNSEND, GEORGE COLEMAN, ROBT. C. FOLGER, SYDNEY S. DURFEE

33—4.

## FRAME BRIDGES.

The subscriber would respectfully inform the public, and particularly Railroad and Bridge Corporations that he will build Frame Bridges, or vend the right to others to build, on Col. Long's Patent, throughout the United States, with few exceptions. The following sub-Agents have been engaged by the undersigned who will also attend to this business, viz.

Horace Childs,	Henniker, N. H.
Alexander McArthur,	Mount Morris, N. Y.
John Mahan,	do
Thomas H. Cushing,	Dover, N. H.
Ira Blake,	Wakefield, N. H.
Amos Whitmore, Esq.	Hancock, N. H.
Samuel Herrick,	Springfield, Vermont.
Simeon Herrick,	do
Capt. Isaac Damon,	Northampton, Mass.
Lyman Kingsley,	do
Elijah Halbert,	Waterloo, N. Y.
Joseph Hebard,	Dunkirk, N. Y.
Col. Sherman Peck,	Hudson, Ohio.
Andrew E. Turnbull,	Lower Sandusky, Ohio.
William J. Turnbull,	do
Sabrid Dodge, Esq.	(Civil Engineer,) Ohio.
Booz M. Atherton, Esq.	New-Philadelphia, Ohio.
Stephen Daniels,	Marietta, Ohio
John Rodgers,	Louisville, Kentucky.
John Tillison,	St. Francisville, Louis.
Capt. John Bottom,	Tonawanda, Penn.
Nehemiah Osborn,	Rochester, N. Y.

Bridges on the above plan are to be seen at the following localities, viz. On the main road leading from Baltimore to Washington, two miles from the former place. Across the Metawankeag river on the Military road, in Maine. On the national road in Illinois, at sundry points. On the Baltimore and Susquehanna Railroad at three points. On the Hudson and Patterson Railroad, in two places. On the Boston and Worcester Railroad, at several points. On the Boston and Providence Railroad, at sundry points. Across the Contoocook river at Hancock, N.H. Across the Connecticut river at Haverhill, N.H. Across the Contoocook river, at Henniker, N.H. Across the Souhegan river, at Milford, N.H. Across the Kennebec river, at Waterville, in the state of Maine. Across the Genesee river, at Mount Morris, New-York, and several other bridges are now in progress.

The undersigned has removed to Rochester, Monroe county, New-York, where he will promptly attend to orders in this line of business to any practical extent in the United States, Maryland excepted.

MOSES LONG.

General Agent of Col. S. H. Long  
Rochester, May 22d, 1836. 19—t.

## RAILROAD CAR WHEELS AND BOXES, AND OTHER RAILROAD CASTINGS.

Also, AXLES furnished and fitted to wheels complete at the Jefferson Cotton and Wool Machine Factory and Foundry, Paterson, N.J. All orders addressed to the subscribers at Paterson, or 60 Wall street, New-York, will be promptly attended to.

## Also, CAR SPRINGS

Also, Flange Tires, turned complete

J. ROGERS, KETCHUM & GROSVENOR

## ALBANY EAGLE AIR FURNACE AND MACHINE SHOP.

WILLIAM V. MANY manufactures to order, IRON CASTINGS for Gearing Mills and Factories of every description.

ALSO—Steam Engines and Railroad Castings of every description.

The collection of Patterns for Machinery, is not equalled in the United States.

9—t

STEPHENSON,  
Builder of a superior style of Passenger Cars for Railroads.

No. 264 Elizabeth street, near Bleeker street, New-York.

RAILROAD COMPANIES would do well to examine these Cars; a specimen of which may be seen on that part of the New-York and Harlem Railroad now in operation.

125st

## ARCHIMEDES WORKS.

(100 North Moor street, N.Y.)

NEW-YORK, February 12th, 1836.

The undersigned begs leave to inform the proprietors of Railroads that they are prepared to furnish all kinds of Machinery for Railroads, Locomotive Engines of any size. Car Wheels, such as are now in successful operation on the Camden and Amboy Railroad, none of which have failed—Castings of all kinds, Wheels, Axles, and Boxes, furnished at shortest notice.

G. H. DUNHAM & CO.

4—t

## RAILWAY IRON, LOCOMOTIVES, &amp;c

THE subscribers offer the following articles for sale.

Railway Iron, flat bars, with countersunk holes and riveted joints,

	lbs.
350 tons 24 by 4, 15 ft in length, weighing 4 <sup>1/2</sup> per ft.	4 <sup>1/2</sup>
280 " 2 " 4, " " " 3 <sup>1/2</sup>	3 <sup>1/2</sup>
70 " 1 <sup>1/2</sup> " 4, " " " 24 "	24 "
80 " 1 <sup>1/2</sup> " 4, " " " 1 <sup>1/2</sup>	1 <sup>1/2</sup>
90 " 1 " 4, " " " 4 "	4 "

with Spikes and Splicing Plates adapted thereto. To be sold free of duty to State governments or incorporated companies.

Orders for Pennsylvania Boiler Iron executed.

Rail Road Car and Locomotive Engine Tires, wrought and turned or unturned, ready to be fitted on the wheels, viz. 30, 33, 36, 42, 44, 54, and 60 inches diameter.

E. V. Patent Chain Cable Bolts for Railway Car axles, in lengths of 12 ft. 6 inches, to 13 feet 2<sup>1/2</sup>, 3<sup>1/2</sup>, 3<sup>1/2</sup>, 3<sup>1/2</sup>, and 3<sup>1/2</sup> inches diameter.

Chains for Inclined Planes, short and stay links, manufactured from the E. V. Cable Bolts, and proved at the greatest strain.

India Rubber Rope for Inclined Planes, made from New Zealand flax.

Also Patent Hemp Cordage for Inclined Planes, and Canal Towing Lines.

Patent Felt for placing between the iron chair and stone block of Edge Railways.

Every description of Railway Iron, as well as Locomotive Engines, imported at the shortest notice, by the agency of one of our partners, who resides in England for this purpose.

Mr. Solomon W. Roberts, a highly respectable American Engineer, resides in England for the purpose of inspecting all Locomotives, Machinery, Railway Iron &c. ordered through us.

A. & G. RALSTON.

Philadelphia, No. 4, South Front st.

## A SPLENDID OPPORTUNITY TO MAKE A FORTUNE.

THE Subscriber having obtained Letters Patent, from the Government of France, granting him the exclusive privilege of manufacturing Horse Shoes, by his newly invented machines, now offers the same for sale on terms which cannot fail to make an independent fortune to any enterprising gentlemen wishing to embark in the same.

The machines are in constant operation at the Troy Iron and Nail Factory, and all that is necessary to satisfy the most incredulous, that it is the most valuable Patent, ever obtained, either in this or any other country, is to witness the operation which is open for inspection to all during working hours. All letters addressed to the subscriber (post paid) will receive due attention.

Troy Iron Works, HENRY BURDEN.

N. B. Horse Shoes of all sizes will be kept constantly for sale by the principal Iron and Hard-ware Merchants, in the United States, at a small advance above the price of Horse Shoe Iron in Bar. All persons selling the same, are AUTHORIZED TO WARRANT EVERY SHOE, made from the BEST REFINED IRON, and any failing to render THE MOST PERFECT SATISFACTION, both as regards workmanship and quality of Iron, will be received back, and the price of the same refunded.

H. BURDEN. 47—t

## TO RAILROAD CONTRACTORS.

PROPOSALS will be received until the 8th day of December next, for the graduation and masonry of the first ten miles of the Gainesville and Narkeeta Railroad. A profile of the route, with plans and specifications of the work, will be exhibited at Gainesville, ten days previous to the time of letting and all other information given, on application to the subscriber or to the Assistant Engineer. Recommendations will be expected in all cases, of persons not known to the officers of the company or to the Engineers.

For the information of persons at a distance, it may be remarked, that this road commences at the town of Gainesville, on the Tombeckby river, and extends twenty-two miles south-west to Narkeeta in the State of Mississippi. The Tombeckby is navigable for Steamboats the greater portion of the year and having a direct communication with Mobile and New-Orleans, will afford facilities for procuring the supplies necessary for the hands employed on the work, or for their ready conveyance hither, if procured from a distance. The country through which the road is located, being perfectly healthy, and the mildness of the climate admitting of operations throughout the winter season renders the contract peculiarly desirable to those wanting winter employment. To an enterprising and energetic contractor the construction of this road offers the prospect of a profitable job.

D. H. BINGHAM, C. E.

Gainesville, Ala. Sept. 21, 1836. 42—tDesl